

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

April 10, 1948



The April meeting of the Board of Trustees of the University of Illinois was held on Saturday, April 10, 1948, at the Illini Union Building, in Urbana, according to the following schedule:

10:30 a.m. — Executive session as in Committee of the Whole.

2:30 p.m. — Open session.

When the Board convened, the following members were present: President Fornof, Mrs. Holt, Mr. McKelvey, Mr. McLaughlin, Dr. Meyer, Mr. Nickell, Mr. Williamson. Mr. Livingston took his place with the Board during the forenoon.

President Stoddard was present; also Provost C. R. Griffith, Assistants to the President A. J. Janata and Wilbur Schramm, Secretary H. E. Cunningham, Comptroller Lloyd Morey, Legal Counsel W. E. Britton, and, during part of the day, Mr. D. E. Dickason, Director of Nonacademic Personnel, Professor W. L. Everitt, Head of the Department of Electrical Engineering, and Mr. E. L. Stouffer, Architect.

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered the agenda for the meeting and took action on the following matters presented by the President of the University.

CONTRACT FOR TABULATING EQUIPMENT

(1) For a number of years the University has maintained tabulating (punch-card) equipment, leased from the International Business Machines Corporation. This equipment is under the supervision of the Comptroller and is used about two-thirds time for payrolls, tax reports, and other business functions, and the remaining one-third for service to educational departments.

It is highly desirable that the student registration procedure in the Urbana-Champaign departments be mechanized through the punch-card system. The Director of Admissions and Records and the Comptroller compiled a schedule of the equipment which must be added. The plan of administration has not been worked out, but since approximately 16 months is required for delivery of the equipment after an order is placed, it is necessary to make a contract now to have the equipment available for the first semester of 1949-1950. An annual net rental, after allowing for educational discount, totaling \$14,602, is indicated at present price schedules. Additional services, estimated to cost \$7,800 a year, and a non-recurring appropriation for filing and other office equipment will also be required.

Some additional equipment is needed in the Business Office installation to make it possible to serve more completely the needs of educational departments. The total rental of the equipment needed is \$15,423 as compared with the present schedule of \$13,580. The cost of tabulating services rendered is charged to the departments receiving the service. The new installation will be used for further service to educational departments after the requirements of the registration system have been covered.

I recommend that general approval be given to this program, and that the Comptroller and Secretary of the Board be authorized to conclude contracts with the International Business Machines Corporation for equipment indicated herein, with authorization to make minor adjustments in the schedule as further studies progress, or the needs for various services indicate.

The Comptroller discussed this matter.

On motion of Dr. Meyer, this program was approved in principle, and authority was given as recommended.

FINANCING OF CHICAGO HOUSING PROJECTS

(2) On September 24, 1946 (Minutes, page 55), Vice-President A. C. Ivy presented to the Board of Trustees the housing needs of the Chicago Professional Colleges, including staff residential facilities, student residence halls, and a nurses' residence. On October 22, 1946 (Minutes, page 129), the Board approved the recommendation of a special committee for the construction of student and nurses' residence facilities in Chicago and authorized requests for State appropriations for these facilities. These appropriations were not secured.

Meanwhile, studies have been made and discussions carried on of the possibilities of securing loans for these projects. The Equitable Life Assurance Society of New York is willing to consider an application for a loan for the total construction costs of the projects, up to a tentative maximum of \$6,000,000, to be payable in 20 to 25 years, interest at 4% to 4½%. The loan would be made to the University of Illinois Foundation, to which the sites for the projects would be conveyed by the Board of Trustees. The Foundation would lease the projects to the University. Such leases would have to be on a biennial basis, with option of renewal.

Present estimates of the costs of the projects are as follows:

Student Residence Hall.....	\$2 153 180
Nurses' Residence.....	1 655 000
Staff Apartments.....	1 293 600
<i>Total</i>	<i>\$5 101 780</i>

These figures are subject to check after detailed plans and specifications have been completed. The loan would not cover any movable equipment, such as furniture, kitchen equipment, and other household furnishings.

On a \$6,000,000 loan at 4½%, straight line amortization in 20 years, the debt service for the first year would be \$570,000, which sum would decrease each year, the decrease the second year being \$13,500. The average annual debt service would be \$441,750.

Income from the projects is presently estimated at \$92,000 a year. This would result in a deficiency of \$478,000 during the first year, which would have to be made up from general funds of the University, thus necessitating an increase in the biennial budget of the University for 1949-1951 in an amount sufficient to cover this requirement. In addition, a special, nonrecurring appropriation would be required for movable equipment, estimated to cost \$323,100. If the construction cost is less than \$6,000,000, and more favorable loan conditions can be secured, the amount of debt service would be correspondingly decreased.

Information concerning the projects has been presented to six other parties representing life insurance companies. Two have indicated that they are definitely not interested, two have made no reply, and two others are studying the projects but have given no final answer.

To carry this forward the following steps are necessary:

(a) Sites for all the projects must be selected, and if additional land is necessary it must be acquired.

(b) Detailed plans and specifications must be completed and definite bids secured.

(c) Approval in principle by the Board of Trustees of the plan of meeting the difference between the debt service on these projects and the net income from the projects (after allowing for operating expenses) from its general funds, and authorization of the inclusion of the necessary sum in the biennial budgets.

(d) Approval by the Board of Trustees of the plan for financing and a request to the University of Illinois Foundation to file an application for the loan on these projects.

(e) The University of Illinois Foundation Board of Directors will then have to approve the filing of such an application.

(f) The whole matter is, of course, subject to the standard legal and financial requirements of the University, the Foundation, and of the two Boards.

I have a few reservations concerning these tentative proposals:

1. We should try again to get substantial appropriations for this type of construction on the Chicago campus. These halls do not yield a large income and are essentially State projects.

2. Following (1) we could then borrow a smaller sum than the total cost.

3. The proposed interest rate is high.

4. It may be harder to get the operating increase (nearly \$1,000,000 the first biennium) than the capital sum of \$6,000,000.

The matter is brought to the Board for discussion.

Mr. Livingston took his place with the Board during the discussion of this matter.

Action was deferred.

ADDITIONS TO ELECTRICAL CONTRACT FOR THE ELECTRICAL ENGINEERING BUILDING

(3) The Director of the Physical Plant Department and the Comptroller recommend two additions in the amount of \$5,557.30 and \$2,603.61 respectively to the contract with the Leverenz Electric Company, contractors for electrical work on the Electrical Engineering Building.

(a) The first addition will provide for the following changes requested by the Electrical Engineering Department:

1. The extension of wood block flooring now provided in Room 120 in the ground story to Rooms 126 and 127. This necessitates a change in conduit raceway

- from concrete trenches with angle edges and plate covers to a complete metal trough type of raceway now furnished by this contractor.....\$2 917 00
2. A change in control of fluorescent lighting in the Machine Laboratory which makes possible the use of higher voltages, requested in anticipation of future improvements in fluorescent lighting..... 2 640 30
- Total*.....\$5 557 30

I have asked a representative of the Department of Electrical Engineering to appear at the Board meeting and explain the need for these changes.

(b) The second addition will provide for the following changes:

1. A change from an under floor to an overhead electrical distribution installation.....\$1 485 75
(This requires additional outlets on the exterior walls. Extension of the under floor system to the exterior walls would interfere with the tunnel around the basement at the exterior walls containing heating and similar piping.)
2. Connections with utilities systems including fire alarm, class bell, and clock connections..... 1 117 86
(This is in keeping with the policy of charging to new buildings the cost of service connections for utilities.)
- Total*.....\$2 603 61

Funds are available in the State appropriation for the "Construction of a New Electrical Engineering Building."

Professor Everitt and Mr. Stouffer discussed this matter.

On motion of Dr. Meyer, these additions to contract were approved.

ESTATE OF WILLIAM T. ROGERS

(4) On June 30, 1945 (Minutes, page 500), there was reported to the Board the probate of the will of the late William T. Rogers of Buffalo, Sangamon County, Illinois. This will devised to the University as remainderman certain real estate, which on the death of the life tenant, was to be liquidated and the proceeds transferred to the University to be administered as a loan fund for deserving students. The life tenant, Sallie V. Rogers, predeceased the Testator.

The attorney for the estate, Mr. Clifford M. Blunk, of Springfield, advises that Mr. Robert J. Saner, Trust Officer of the Springfield Marine Bank, which is the Executor of the estate, has reduced all property to cash and is now ready to make final distribution.

The amount which will be paid to the University is in the neighborhood of \$107,000. Authorization is requested to receive these funds, which will be used to establish the "William T. Rogers Loan Fund," to be held and administered in accordance with the terms of the will.

The Comptroller and the Legal Counsel concur in this recommendation.

On motion of Mr. McLaughlin, the Comptroller was authorized to receive this fund for the purpose specified.

PURCHASE OF HOUSE AT 206 WEST VERMONT

(5) Pursuant to the residence properties acquisition program for staff housing authorized by the Board of Trustees, I am recommending the purchase of the property at 206 West Vermont Street, Urbana (Dr. G. L. Porter, Owner), at a price of \$21,000. The University has secured an option on this property. This is a seven-room brick house, approximately 22 years old, and is well constructed. It will be available for assignment to a University staff member on or before September 1, 1948. The price has been fixed by negotiations with the owner.

The Board of Directors of the Athletic Association has also authorized the purchase of a house for rental to a member of its staff. I recommend that the Board of Trustees approve the action of the Board of Directors of the Athletic

Association and the assignment of Athletic Association funds for this purpose; I further recommend that if it appears desirable to transfer the option on the property at 206 West Vermont Street to the Athletic Association, this be authorized by the Board of Trustees.

On motion of Mr. Livingston, this purchase was authorized as recommended, the action of the Board of Directors of the Athletic Association in authorizing the purchase of a house for rental to a member of its staff and assigning funds for the purpose was approved, and the transfer to the Athletic Association of the option on the property at 206 West Vermont Street was authorized if found desirable, by the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Dr. Meyer, Mr. Nickell, Mr. Williamson; no, none; absent Mr. Davis, Mr. Green, Dr. Luken.

POLICY AND RULES RELATING TO COMPENSATION AND WORKING CONDITIONS OF NONACADEMIC EMPLOYEES

(6) At the March meeting, the Board discussed informally a proposed revision of the Policy and Rules Relating to Compensation and Working Conditions of Non-academic Employees. The point at issue is the clarification of the policy on prevailing rates. It may be helpful to consider these questions: (1) What is meant by "prevailing rates"? (2) How closely in time should changes in prevailing rates be followed by changes in wages paid—for example, immediately (as is now the case), at the beginning of a fiscal year, or at the beginning of a biennium? (3) Under any plan, what provision can be made in the budget to take care of extraordinary changes in wage rates?

As I follow the decisions and interpretations of the Board, I feel that we are committed to a two-fold policy: (1) to maintain a high wage standard equal, if not superior to, wages paid for similar work in the community and (2) to maintain the principle of conservation of State funds. We want to avoid both a short-changing of employee groups and a charge of wastefulness of University funds.

After discussion, and on motion of Mr. Williamson, the Board reaffirmed its support of the principle of paying the prevailing wages as defined in *The Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees* (effective July 1, 1945), and the appropriate University officers were directed to initiate such negotiations with employee groups as may be necessary to bring into conformity with that policy any elements of the University wage policies which now deviate from it; and further, the principle of active participation by the University in negotiations which affect the University's interest was approved.

REQUEST FROM REPRESENTATIVE OF UNIVERSITY OF ILLINOIS EMPLOYEES' UNION

(7) At the meeting of the Board of Trustees on March 9, 1948, Mr. Park Livingston presented the following letter under date of March 2 which he had received from Mr. Sherdie C. Jones, representative of Local 698, American Federation of State, County, and Municipal Employees:

March 2, 1948

*Mr. Park Livingston, President
Board of Trustees, University of Illinois
Civic Opera Building,
Twenty North Wacker Drive,
Chicago, Illinois*

DEAR MR. LIVINGSTON:

Prolonged negotiation between Local No. 698 and the University of Illinois through the Office of Nonacademic Personnel over a period of eight months has failed to produce an agreement on wage rates for employees covered by the negotiations.

The negotiations have been hampered by the claim of the Director of Non-academic Personnel that the prior obligation of the University to meet wage adjustments for employees whose rates are determined by prevailing rates makes it impossible for him to agree upon adjustments for employees who negotiate directly with the University through their representative.

The Policy and Rules Relating to Compensation and Working Conditions of Nonacademic Employees provides three methods of determining wage adjustments.

The Policy does not state, however, that employees whose wage rates are determined by one method shall be denied adjustments because employees whose wages are determined by another received adjustments.

We therefore ask the Board of Trustees to take steps to make it possible for employees who negotiate directly with the University through their collective bargaining representative to realize the fruits of collective bargaining.

We will welcome the opportunity to confer with any committee named by the Board to consider our request.

Sincerely,

SHERDIE C. JONES, *Representative*
403½ Stanage Avenue
Champaign, Illinois

After discussion, the President of the University was requested to draft a reply to Mr. Jones's letter in conference with Mr. Livingston and Mr. Dickason.

OPEN SESSION

When the Board convened in open session at 2:30 p.m., the following members were present: President Forno, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson.

President Stoddard was present; also the officers present during the morning session, and Director J. F. Wright.

MINUTES APPROVED

The Secretary presented the minutes of the meetings of February 21 and March 9, 1948.

On motion of Mr. Livingston, the minutes were approved as printed on pages 971 to 1054 above.

REPORT OF THE EXECUTIVE COMMITTEE, MARCH 25, 1948

The Secretary reported for record that the Executive Committee on March 25, 1948, approved a recommendation from the President of the University that the certificate of Certified Public Accountant be awarded to the candidates who have fulfilled all requirements and who have passed the C.P.A. examination given in November, 1947. (See Appendix, page 1083.)

MATTERS PRESENTED BY PRESIDENT STODDARD

The Board considered the following matters presented by the President of the University.

APPROPRIATION FOR MEDICAL BETATRON

(1) On February 21, 1948 (Minutes, page 979), the Board of Trustees, on recommendation of the Committee on Special Appropriations and Nonrecurring Expenditures, approved an appropriation of \$110,000 for the purchase of a medical betatron for the Chicago Professional Colleges, provided a grant for this purpose could not be secured from a Federal agency, or a private source. Applications for a grant from such sources all have been declined, so that if the betatron is to be secured the cost must be met from University funds.

Subsequent to the February 21 meeting, it was found that the cost will exceed the original estimate. This is due to: (1) the Allis-Chalmers Company, the manufacturer, will require escalation protection of 20 per cent in the event of an increased cost over the present estimate; and (2) the cost of installation, which requires the building of a structure to house the equipment, will exceed the previous estimate.

Exact bids for construction have not yet been secured, so that it is still impossible to determine the ultimate cost. However, we may lose the betatron unless a contract is let soon. The matter has been reviewed by the Committee, which now recommends a further appropriation of \$65,000, making a maximum total of \$175,000, or so much thereof as may be necessary. Any excess over final costs will lapse.

The increase in electric current will cost about \$2,000 a year, which must be provided for in the budget of the Physical Plant Department beginning with 1948-1949.

I recommend the additional appropriation of \$65,000 and authorization of the purchase of one 100 Roentgen Unit Betatron X-Ray machine (as per specifications No. 42172) from the Allis-Chalmers Company, Milwaukee, Wisconsin, at a base price of \$85,000 plus allowance for any increase in cost of manufacture between the date ordered and the time of delivery, the maximum price not to exceed \$102,000, f.o.b. Milwaukee, Wisconsin.

On motion of Mr. Williamson, this purchase was authorized and the appropriation made as recommended, by the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson; no, none; absent, Mr. Davis, Mr. Green, Dr. Luken, Dr. Meyer, Mr. Nickell.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

(2) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded the following on the basis of their having satisfactorily passed the written examination given by the Special Board of Examiners under the provisions of Section 4b of the Accountancy Act of 1943. They have also satisfied all of the condition requirements of that section of the Act:

EDWARD GIMBEL
HARRY HIESER
ALBERT KIMMEL
LUKE DANIEL MCCOY

LEO MEADE
JOSEPH ELMORE PEHLMAN
JACK WEINER

The Committee also recommends the award of the C.P.A. certificate to the following under Section 5 of the Accountancy Act of 1943. They have presented satisfactory evidence that they are holders of valid and unrevoked C.P.A. certificates in other states, which they obtained by passing the regular written examinations.

MYRON JOHN BOEDEKER (Mass.)
LAWRENCE CARDER (N.Y.)
HAROLD CONRAD CRAWFORD (N.Y.)
CARL EDWARD HELLMAN (Ind.)

HILTON JOHN MERZDORF (Ohio)
VICTOR HVID NELSON (Ohio)
ROYAL CHURCH THURSTON, JR. (N.Y.)
MARK CRAVEN WALKER (Mass.)

I concur.

On motion of Mr. Williamson, these certificates were awarded as recommended.

CURRICULA IN LIBRARY SCIENCE

(3) The University Senate recommends that effective September 1, 1948, the following new programs be offered:

I. A two-year curriculum leading to the degree of Bachelor of Science in Library Science.

Admission. Fifty-six hours of university work, not including military training and physical education, will be required for admission to the Library School. Students in the College of Liberal Arts and Sciences who plan to enter the Library School are advised to register either in the Division of General Studies

or the general curriculum. Students in the general curriculum are advised to distribute their work according to the College plan including foreign languages, humanities, social studies, and natural sciences. Students registered in other colleges are advised to follow a regular program in that college.

Scholarship. A minimum scholarship average of 3.5 will be required for admission and for graduation.

Requirements for Graduation. 120 hours exclusive of military training and physical education. In this 120 hours must be included eighteen hours of Library Science and a major and minor. The major will consist of twenty hours and the minor of sixteen hours, both chosen from the following list of subjects:

Agriculture	Geography and Geology
Art and Architecture	History
Biology	Journalism
Business Administration	Mathematics
Chemistry	Music
Classics	Philosophy
Economics	Physical Sciences
Education	Political Science
Engineering	Psychology
English	Sociology
Foreign Languages	

Part of this work may be completed prior to admission to the Library School. The remainder of the curriculum may be elected from courses offered by other colleges and schools as approved by the student's adviser.

Prescribed Subjects. Eighteen hours in Library Science, chosen from the following courses: Lib.Sci. 201, Library in the Social Order, 3 hours; Lib.Sci. 202, Use of Books and Libraries, 3 hours; Lib.Sci. 251, Organization and Operation of Libraries I, 3 hours; Lib.Sci. 252, Organization and Operation of Libraries II, 3 hours; Lib.Sci. 301, Humanistic and Social Science Literature, 3 hours; Lib.Sci. 302, Literature of Science and Technology, 3 hours; Lib.Sci. 303, Library Materials for Children, 3 hours; Lib.Sci. 304, Library Materials for Adolescents, 3 hours.

Electives. The remainder of the curriculum may be elected from courses offered by other colleges and schools in the University as approved by the Director or Assistant Director of the Library School.

II. A fifth year program leading to the degree of Master of Science in Library Science, replacing the present two-year program leading to the degree of Master of Science.

The degree will be taken without thesis but nine units of graduate work will be required. A reading knowledge of one modern foreign language will be required for admission to the curriculum.

A reading knowledge of at least two foreign languages will be required of students specializing in bibliographical work or college library administration.

III. A two-year graduate program beyond the master's degree leading to the degree of Doctor of Library Science (L.S.D.).

The Graduate College requirements as to major and minor subjects, residence, period of study, knowledge of languages, preliminary and final examinations, and research which apply to the degree of Doctor of Philosophy (Ph.D.) will apply to the degree of Doctor of Library Science.

I concur.

On motion of Mr. McLaughlin, these curricula and programs were approved as recommended.

THOMAS J. SMITH SCHOLARSHIPS IN MUSIC REGULATIONS

(4) Under an agreement with the late Captain Thomas J. Smith of Champaign, a former member and president of the Board of Trustees of the University of Illinois who gave the University certain farm lands which were sold and the proceeds used for the construction of the Smith Music Hall, the Board of Trustees established four scholarships to be awarded each year to women in the School of

Music who are unable to pay the accustomed tuition. These scholarships are awarded on the basis of comparative promise in music as judged by a special committee appointed for that purpose and under regulations of the Board of Trustees. The committee of the School of Music which nominates candidates for the Thomas J. Smith Scholarships in Music has recommended the following changes in the regulations:

1. Regulation No. 3 which reads as follows:

"Each applicant shall submit an essay of not fewer than 250 words on some subject in music, chosen by herself, to show that she had adequate training in English composition."

to be changed to read:

"The Committee in selecting the candidates for the scholarship shall consider in addition to evidence of promise in music and financial need, the student's previous scholarship record."

2. Regulation No. 5 which reads as follows:

"These scholarships shall be good for one year and shall exempt the holders during this period from matriculation, incidental, and music fees. They may be renewed for one, two, or three years provided the scholars maintain at least an average grade of B in all subjects."

to be changed to read:

"These scholarships shall be good for one year and shall exempt the holders during this period from the tuition fee. They may be renewed for one, two, or three years, providing the scholarship holder maintains a *superior scholarship average in her work in the University*."

The matriculation and special music fees have been discontinued. The incidental fee is now called the tuition fee. The benefits to the scholarship holder are not diminished by this change.

I concur.

On motion of Mr. McKelvey, these changes were approved and adopted as recommended.

REQUEST FOR ASSIGNMENT OF LAND TO THE STATE NATURAL HISTORY AND GEOLOGICAL SURVEYS

(5) The following letter from the Chairman of the State Board of Natural Resources and Conservation and resolution adopted by that Board are submitted at his request:

March 10, 1948

*Members of the Board of Trustees,
University of Illinois.*

GENTLEMEN:

Herewith I hand you copy of Resolution adopted by the Board of Natural Resources and Conservation on February 24th, 1948, with reference to allocation of lands for future construction by this Board on the campus of the University of Illinois.

This matter has been thoroughly gone into and discussed among the members of the Board, including President George D. Stoddard. President Stoddard informs us of a proposed 25-year plan in conjunction with the cities of Urbana and Champaign. He does not sign the Resolution because in his capacity as President of the University, he feels that this matter should be left to the committee and then to the Board itself. He expressed the view that we should have more land allocated to us according to our needs and that it should be adjacent to our present building.

We are in complete sympathy with some 25-year plan and desire to work in complete harmony with the University.

It is highly important that land should be allocated to the Board which will be adjacent to the present Natural Resources Building, and we shall be glad to have our representative confer with the committee now in the process of planning, and also to appear before your Board when and if necessary.

I earnestly request that our suggestions be given your very serious consideration, and assure you that we desire to assist you in future plans as well as carry on our own particular functions.

Sincerely yours,
FRANK G. THOMPSON, *Director*
Chairman, Board of Natural
Resources and Conservation

"RESOLUTION

CONCERNING RESERVATION OF ADDITIONAL LAND BY THE UNIVERSITY OF ILLINOIS FOR USE OF THE GEOLOGICAL AND NATURAL HISTORY SURVEYS

Whereas space now available to the Geological Survey and the Natural History Survey on the campus of the University of Illinois at Urbana is inadequate both for present plans and normal future needs, and

Whereas the needs of these Surveys for expansion will be a continuing and increasingly important matter for which plans must be developed with foresight, and

Whereas there seems but one direction in which space expansion logically can be developed,

Therefore, the Board of Natural Resources and Conservation of the State of Illinois respectfully requests the University of Illinois to reserve the following area for the expansion of the Geological and Natural History Surveys on the University of Illinois campus, Champaign, Illinois:

That area adjacent to and west of the presently allotted Natural Resources Building area, bounded on the east by Sixth Street, the south by Pennsylvania Avenue, the west by Fourth Street and the north by Stadium Drive.

Approved in Quarterly Meeting
February 24, 1948.

FRANK G. THOMPSON, *Chairman*
LEWIS H. TIFFANY, *Secretary*"

The State Natural History Survey, the State Water Survey, and the State Geological Survey are divisions of the State Department of Registration and Education. A State Board of Natural Resources and Conservation administers the research, investigational, and other scientific programs of the surveys including the selection and appointment of the scientific staff. The President of the University, or his representative, is by law a member of the Board.

I did not sign the resolution because: (1) as President of the University and as the executive agent of its Board of Trustees, I shall doubtless be asked by the Board of Trustees for a recommendation and therefore I should not commit myself in advance by signing the resolution as a member of the Board of Natural Resources and Conservation; and (2) the proposed plan for the general development of the communities of Champaign and Urbana and the University may conceivably affect the University's campus planning and assignments of areas.

In the meantime, the resolution has been referred to the University's Building Program Committee for its consideration and advice to the President.

This report was received for record.

EASEMENT FOR CONSTRUCTION OF POWER LINE ON ALLERTON FARMS

(6) The Illinois Power Company has requested an easement to build a power line along the north edge of the University of Illinois property in Section 14, Monticello Township. The Dean of the College of Agriculture reports that the granting of this easement will not affect the operation of the farms. The Dean of the College of Agriculture and the Comptroller recommend that the easement be granted to the Illinois Power Company.

I concur and recommend the adoption of the attached resolution.

On motion of Mr. Williamson, the following resolution was adopted and recommended.

Whereas, The Board of Trustees of the University of Illinois is the owner of that part of the West One-half (W $\frac{1}{2}$) of the Southwest Quarter (SW $\frac{1}{4}$)

(lying North of the Sangamon River), Section Fourteen (14), Township Eighteen North (18N), Range Five (5), East of the Third Principal Meridian in Piatt County, Illinois, and

Whereas, the Illinois Power Company proposes to construct an electrical distribution system through that land, and

Whereas, The Board of Trustees of the University of Illinois will benefit from the construction of such electrical distribution system in that electrical service will be available to certain properties owned by The Board of Trustees, and

Whereas, the Illinois Power Company has requested The Board of Trustees of the University of Illinois to grant to it an easement to permit the construction of such electrical distribution system,

Now therefore be it resolved, that the Comptroller and the Secretary of The Board of Trustees of the University of Illinois are hereby authorized in behalf and in the name of The Board of Trustees of the University of Illinois to execute an easement to the Illinois Power Company to permit such Company, its successors and assigns, to enter upon the land owned by The Board of Trustees of the University of Illinois and described as

"That part of the West One-half ($W\frac{1}{2}$) of the Southwest Quarter (SW $\frac{1}{4}$) (lying North of the Sangamon River), Section Fourteen (14), Township Eighteen North (18N), Range Five (5), East of the Third Principal Meridian in Piatt County, Illinois,"

and to construct, operate, repair, maintain, patrol, remove, relocate, and reconstruct thereon an electric transmission or distribution line or system, including the right to cut and trim trees and shrubbery and remove other obstacles to the extent necessary to keep them clear of said electric line.

EASEMENT FOR TELEPHONE CABLE ON WRIGHT FARMS

(7) The Illinois Bell Telephone Company has requested permission to install and maintain an underground cable along the south edge of Wright Farm No. 3 in DeKalb County for a distance of approximately 260 rods. It has offered to pay fifty cents a rod for this privilege, plus reimbursement for damages to fences and growing crops arising from the construction and maintenance of this system.

The Dean of the College of Agriculture and the Comptroller recommend that the Illinois Bell Telephone Company be granted an easement.

I concur and recommend the adoption of the attached resolution.

On motion of Mr. McLaughlin, the following resolution was adopted as recommended.

Whereas, The Board of Trustees of the University of Illinois is the owner of the South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$) of Section Nineteen (19), Township Forty North (40N), Range Three East (3E) of the Third Principal Meridian, located in the County of DeKalb and State of Illinois, and

Whereas, The Illinois Bell Telephone Company proposes to construct a communication system through that land, and

Whereas, Such construction, if permitted, will assist in the distribution of reasonable long distance telephone service in the State of Illinois, and

Whereas, The Illinois Bell Telephone Company has requested The Board of Trustees of the University of Illinois to grant it an easement to permit the construction of such communication system for the consideration of fifty cents (50¢) per rod,

Now therefore be it resolved, That the Comptroller and the Secretary of The Board of Trustees of the University of Illinois are hereby authorized in behalf and in the name of The Board of Trustees of the University of Illinois to execute an easement to the Illinois Bell Telephone Company to permit such Company, its successors and assigns, to enter upon the land owned by The Board of Trustees of the University of Illinois and described as

"The South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$), of the South One-half ($S\frac{1}{2}$) of Section Nineteen (19), Township Forty North (40N), Range Three East (3E) of the Third Principal Meridian, located in the County of DeKalb, State of Illinois,"

and to construct, operate, maintain, replace and remove a communication system consisting of such underground cables, wires, conduit, drains, and splicing boxes

and surface testing terminals, markers and other appurtenances as the Company may from time to time require upon, over, under and across such property for a consideration of fifty cents (50¢) per rod it being understood and agreed that such communication system shall be located within a strip of land two (2) rods wide.

**SALE OF ADDITIONAL CABLE TO THE ILLINOIS
BELL TELEPHONE COMPANY**

(8) The Board of Trustees on April 18, 1946 (Minutes, page 1065), authorized the Comptroller and the Secretary of the Board of Trustees to execute a contract with the Illinois Bell Telephone Company for (a) the installation of an Illinois Bell Telephone Company PBX exchange to centralize all University telephone service on the Urbana Campus, and (b) the sale of the present University owned intercommunicating exchange and cable plant for the sum of \$18,000.

Additional telephone cable over and above that originally contemplated is available to be sold to the Illinois Bell Telephone Company at an additional sum of \$16,002.70, or a total price including the original equipment of \$34,002.70.

The Director of the Physical Plant and the Comptroller recommend the sale of this equipment at a total price of \$34,002.70.

I concur and recommend the adoption of the attached resolution.

On motion of Mrs. Holt, the following resolution was adopted as recommended.

Whereas, The Board of Trustees of the University of Illinois, at its meeting on April 18, 1946, authorized the Comptroller and Secretary of the Board to execute a contract with the Illinois Bell Telephone Company for:

(a) The installation of an Illinois Bell Telephone Company PBX Exchange to centralize all University telephone service on the Urbana Campus, and

(b) The sale of the present University owned intercommunicating exchange and cable plant for the sum of eighteen thousand dollars (\$18,000.00).

And whereas, in accordance with their authority, the Comptroller and Secretary of the Board of Trustees did, on October 14, 1946, execute such a contract with the Illinois Bell Telephone Company,

And whereas, it is now advisable to sell to the Illinois Bell Telephone Company house cable for the sale price of thirteen thousand and twelve dollars and forty-nine cents (\$13,012.49) and buried cable for the sale price of two thousand nine hundred and ninety dollars and twenty-one cents (\$2,990.21) the sale of which was contemplated at the time of the execution of the contract, but no determination could be made at that time as to the amount of additional cable to be sold.

Be it therefore resolved, that the Comptroller and Secretary of the Board be and the same hereby are authorized to execute a contract with the Illinois Bell Telephone Company and to execute a bill of sale to such company for the sale of the University owned intercommunicating exchange and cable plant referred to in the minutes of the meeting of the Board on April 18, 1946, house cable for the sale price of thirteen thousand and twelve dollars and forty-nine cents (\$13,012.49) and buried cable for the sum of two thousand nine hundred and ninety dollars and twenty-one cents (\$2,990.21), making a total sale price of thirty-four thousand two dollars and seventy cents (\$34,002.70).

SALE OF DUPLICATE JOURNALS FROM HERTZLER LIBRARY

(9) In 1944 (Minutes, July 18, page 14), Dr. Arthur E. Hertzler gave the University a collection of medical books. It includes duplicate copies of a number of sets of journals which, although valuable, are not needed by the University. The Director of the Library recommends that such duplicates be sold and the proceeds used to purchase other works to be added to the Hertzler Library. A tentative estimate of the receipts from such sales of approximately 2,875 volumes is \$8,625. There are no restrictions in the gift which prevent such a sale.

I recommend that the sale of these publications be authorized and that the proceeds be appropriated for additional purchases for the Hertzler Library.

On motion of Mrs. Holt, this sale was authorized and the proceeds were made available for the purchase of books as recommended, by

the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson; no, none; absent, Mr. Davis, Mr. Green, Dr. Luken, Dr. Meyer, Mr. Nickell.

AWARD OF CONTRACT FOR LIGHTING IMPROVEMENTS IN GENERAL DENTAL CLINIC ROOM

(10) The following bids have been received for lighting improvements in the General Dental Clinic Room No. 962 of the Dentistry, Medicine, and Pharmacy Building:

Construction Electric Company, Chicago.....	\$5 754 88
Rossett Electric Company, Chicago.....	5 961 00
Hyre Electric Company, Chicago.....	5 978 36
Kil-Bar Electric Company, Chicago.....	6 555 00

The Director of the Physical Plant Department and the Comptroller recommend the award of the contract to the lowest bidder, the Construction Electric Company, in the amount of \$5,754.88. Funds have been budgeted for this improvement.

I concur and recommend that the Comptroller and Secretary of the Board be authorized to execute this contract.

On motion of Mr. McLaughlin, this contract was awarded and authority given as recommended.

AWARD OF CONTRACT FOR AIR-CONDITIONING INSTALLATION IN ROOM 157 NATURAL HISTORY BUILDING

(11) The following bids have been received for an air-conditioning installation in Room 157 Natural History Building. This space is used for photosynthesis research by Professor Robert Emerson. The humidity is so high in the summer months that it is impossible to make necessary electrical measurements. Air-conditioning will reduce humidity and make possible continuation of the research during the summer:

<i>Name of Bidder</i>	<i>Proposal 1 Base Bid</i>	<i>Proposal 2 V-Belt Drive</i>
Mid-State Engineering Company, Champaign.....	\$5 823	+ \$212
F. R. Inskip & Company, Champaign.....	4 385	+ 185
Bloomer Heating & Ventilating Company, Chicago.....	6 070	+ 196

Professor Emerson, the Comptroller, and the Director of the Physical Plant Department recommend acceptance of the lowest bids on Proposals 1 and 2 of F. R. Inskip and Company in the total amount of \$4,570. Funds are available for this installation.

I concur and request that the Comptroller and the Secretary of the Board be authorized to execute a contract with F. R. Inskip and Company for \$4,570.

On motion of Mr. McKelvey, this contract was awarded and authority given as recommended.

AWARD OF CONTRACT FOR PRACTICE ORGANS

(12) On September 26, 1947 (Minutes, page 827), the Board appropriated \$18,000 for the purchase of practice organs in the School of Music to replace two practice organs. Tentative specifications were prepared and submitted to several builders, discussions were carried on with those interested, and inspections were made of organs of various builders. The Director of the School of Music recommends that a contract for the two organs be made with Aeolian-Skinner Organ Company of Boston, Massachusetts, through their Chicago representative, Mr. Walter D. Hardy.

The University has had experience with organs built by six makers, including Aeolian-Skinner Company which built the organ in Smith Music Hall. This organ has been the most satisfactory mechanically of any organ at the University. Less mechanical difficulty has been experienced and it has stood up well under the strain of constant playing to which University organs are subjected. From a

maintenance standpoint the Skinner organ is believed to be the best organ available. Its tonal quality is of the highest character.

This company also has pioneered in a somewhat different type of pipe organ known as the Baroque type which has been installed in several music schools. These schools report satisfaction with this instrument for training purposes. It is a small instrument that produces tonal effects previously to be had only in the largest organs. It is proposed that the University have one of the new organs built according to this design and the other in accordance with the more conventional design. In both cases the number of pipes and consequent scope of the instruments is greater than that of the original specifications. The bid of the Skinner Company on the two organs under the new specifications is only \$100 greater than its bid on the original specifications.

The total quoted cost of the two new organs is \$19,000 which is in excess of the special appropriation made for this purpose. The two organs being replaced, which will be of no use to the University, can probably be sold for an amount at least equal to this excess and it is requested that such receipts be appropriated for this purpose. The Director of the School of Music has agreed that any difference may be taken out of his regular equipment appropriation.

The Director of Purchases and the Comptroller concur in this recommendation and request that the Comptroller and the Secretary of the Board be authorized to execute a contract with the Aeolian-Skinner Organ Company for two practice organs for the School of Music for the total sum of \$19,000, payment to be made as the work of construction and installation progresses up to 75% of the purchase price, and the remaining payment to be made after installation and acceptance which is presently expected by September 1, 1949.

I concur.

On motion of Mrs. Holt, this purchase was authorized and the appropriation of receipts made as recommended, by the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson; no, none; absent, Mr. Davis, Mr. Green, Dr. Luken, Dr. Meyer, Mr. Nickell.

AWARD OF CONTRACT FOR REPLACEMENT OF ELEVATOR BRAKES IN RESEARCH AND EDUCATIONAL HOSPITALS

(13) The following bids were received on March 30 for the replacement of brakes in elevators in the Research and Educational Hospitals:

	<i>D.C. Brakes</i>	<i>A.C. Brakes</i>
Otis Elevator Company.....	\$3 133 00	No bid
Reliance Elevator Company.....	2 475 00	No bid
Haughton Elevator Company.....	2 365 00	\$2 165 00

The Director of the Physical Plant Department and the Comptroller recommend the award of a contract to the lowest bidder, the Haughton Elevator Company, accepting their proposal for use of alternating current type of brakes, at a total cost of \$2,165. Funds are available.

I concur and request that the Comptroller and the Secretary of the Board be authorized to execute this contract.

On motion of Mr. McLaughlin, this contract was awarded and authority given as recommended.

ADDITIONS TO CONTRACTS FOR CONSTRUCTION OF TEMPORARY WAREHOUSE NO. 1 AND VETERANS' TEMPORARY RECREATION BUILDING

(14) The Director of the Physical Plant Department and the Comptroller recommend:

1. An addition of \$2,075 to the contract with the Champaign Plumbing and Heating Company for the heating installation, not provided by the Federal Works Agency, in Temporary Warehouse No. 1.

2. An addition of \$2,895.31 to the contract with J. L. Simmons Company, Incorporated, for the construction of the Veterans' Temporary Recreation Building.

These contract additions are necessary to carry out the University's obligations on the projects. Under FWA regulations the Government contractors on the buildings could not undertake doing the University's part of the work until all of the FWA contracts had been completed. The contractors are now free to do the University's work.

In the case of the warehouse the FWA installed the heating equipment in the building but the University must assume the cost of constructing a steam conduit from the nearest source of supply to the building.

The Veterans' Temporary Recreation Building is being used for recreational activities and also as a Nursery School. Under Federal law, the FWA could not allocate this building to the University of Illinois as a Nursery School building, but could do so as a Veterans' Recreation Building. All construction and installations were therefore pointed toward such use. It is desirable to make certain installations in this building so that it can be used more effectively as a Nursery School. The contract addition recommended here is for improvements to make the building more usable for Nursery School purposes without detracting from its use as a recreation building.

Funds are budgeted for these improvements.

I concur and recommend that the Comptroller and Secretary of the Board be authorized to execute these contract changes.

On motion of Mr. McKelvey, these changes were authorized and authority given as recommended.

ADDITION TO GENERAL CONTRACT FOR THE NEW CHEMISTRY BUILDING

(15) The Director of the Physical Plant Department and the Comptroller recommend an addition of \$1,120 to the contract with the John Felmley Company for general work on the Chemistry Building for diversion of a storm sewer encountered in the construction of the underground tunnel from the new building to the present tunnel connecting Noyes Laboratory and the Chemistry Annex. The sewer was not shown in any existing records.

I concur and request that the Comptroller and Secretary of the Board be authorized to execute this addition to the contract. Funds are available.

On motion of Mr. Livingston, this addition to contract was approved and authority given as recommended.

ASSIGNMENTS OF ATHLETIC ASSOCIATION FUNDS

(16) The Board of Directors of the Athletic Association has made assignments of its funds for the following purposes and requests approval of the same by the Board of Trustees:

IMPROVEMENTS AT THE STADIUM

1. *Food Service in the Southwest Tower.*— By paving the floor and making other improvements in the southwest tower, space can be provided for a cafeteria accommodating 300 patrons and two private dining rooms each accommodating 50 people. The estimated cost of this improvement is \$10,000. The Illinois Sport Service, with which the Athletic Association has a contract for food service at the Stadium, has agreed to provide and install at its expense the necessary equipment for operating the dining rooms. The facilities would take care of the training table during the football season and would also provide a public food service on days of football games.

2. *Paving Under South Stand.*— It is desirable to complete the paving of the area west of the new truck entrance under the south stand to furnish storage space for bleachers and other equipment. The estimated cost of this improvement is \$3,000.

The following bids have been received on these two improvements:

Southwest Tower Improvements

General Paving Company, Champaign.....	\$8 667 00
John P. Riddell, Chicago.....	9 555 00
Lynne Meyer, Urbana.....	7 888 00

Paving Under South Stand

(5,000 square feet of reinforced concrete, including excavation, retaining wall, and expansion joints)

General Paving Company, Champaign.....	\$3 977 00
John P. Riddell, Chicago.....	3 750 00
Lynne Meyer, Urbana.....	2 745 00

The Directors recommend the award of the contracts for these improvements to Lynne Meyer, the lowest bidder in each case.

DEVELOPMENT OF GOLF COURSE

1. *Contract with Ralph A. Bachert.*—The Board of Trustees has authorized the use of Kimmel Farm in Tolono Township as a golf course to be constructed and operated by the Athletic Association. The farm is under lease to Ralph A. Bachert until March 15, 1949. He has agreed to surrender his lease and supply the Athletic Association with his labor, furnishing tractor, plow, disk, and harrow, from April 1, 1948, to January 1, 1949, for a total consideration of \$5,000. The Board of Directors has approved this arrangement and has made an assignment of \$5,000 from Athletic Association funds for this purpose.

2. *Topographical Survey and Test Borings.*—The Board of Directors has also made an appropriation of \$2,500 for a topographical survey and test borings which are necessary in connection with the development of the golf course.

I recommend that the Board of Trustees approve these recommendations and actions of the Athletic Association Board of Directors.

On motion of Mr. Livingston, these actions of the Board of Directors of the Athletic Association were approved and confirmed as recommended.

SPECIAL APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(17) The Committee on Special Appropriations and Nonrecurring Expenditures recommends assignments from the General Reserve Fund for the following purposes:

1. Small Homes Council for further improvements to Home Research Center and Mumford House, \$5,500.

2. School of Physical Education for additional improvements in Room 305 George Huff Gymnasium, \$1,650. This assignment of funds was authorized by the President as an emergency because it was desirable to have the work done as soon as possible. Confirmation is requested.

On motion of Mr. McLaughlin, these appropriations were made as recommended, by the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson; no, none; absent, Mr. Davis, Mr. Green, Dr. Luken, Dr. Meyer, Mr. Nickell.

APPROPRIATION FROM SURPLUS AGRICULTURAL INCOME

(18) The University Research Board with the approval of the President of the University has assigned \$15,000 for the operation of a Radiocarbon Laboratory at Urbana. In addition, an appropriation will be necessary for remodeling and equipment.

The Committee on Special Appropriations and Nonrecurring Expenditures has approved the improvements in principle. A definite recommendation of an appropriation for the remodeling is being deferred until an accurate estimate of the cost can be obtained.

It is estimated that the equipment for this laboratory will cost \$6,000. Funds are available in the accumulated receipts of the Department of Animal Science. The Dean of the College of Agriculture and the Comptroller recommend an appropriation of \$6,000 from surplus agricultural receipts for the equipment of the Radiocarbon Laboratory. Orders should be placed soon to expedite delivery.

I concur.

On motion of Mr. McKelvey, this appropriation was made as recommended, by the following vote: Aye, Mr. Fornof, Mrs. Holt, Mr. Livingston, Mr. McKelvey, Mr. McLaughlin, Mr. Williamson; no, none; absent, Mr. Davis, Mr. Green, Dr. Luken, Dr. Meyer, Mr. Nickell.

PURCHASE OF STOCK FOR LIGHT HORSE PROGRAM

(19) The Board of Trustees has approved (Minutes, September 26, 1947, page 826), a program of education and research in the breeding, feeding, and care of light horses. It has made an appropriation for operating expenses and a special appropriation for the purchase of the basic stock of animals needed for this project. The Department of Animal Science has been studying ways in which these purchases can best be carried out. Representatives have attended several auctions and sales to become acquainted with the kind of stock available and current prices. They have come to the conclusion that it would be unwise to attempt to purchase the needed stock at such sales. Preliminary contacts with various owners, both in Illinois and elsewhere, who might be interested and willing to make sales at reasonable prices, indicate that such purchases can be made below auction sale prices by direct negotiations with owners. Some additional inspections will be necessary to complete such purchases.

It is essential that the animals to be purchased be selected by competent representatives of the department. Prices can thus be set up through negotiation.

The Head of the Department and the Dean of the College of Agriculture recommend, and the Director of Purchases and the Comptroller concur, that the Department of Animal Science be authorized to make selections of animals for this program, and to reach agreements on prices; and that the Director of Purchases be authorized to issue purchase orders for such selections when so recommended, the total of all purchases and other necessary expenses to be within the appropriation of \$20,000 made for this purpose.

I concur.

On motion of Mr. McLaughlin, these purchases were authorized as recommended.

PURCHASES

(20) There are submitted herewith recommendations for purchases for approval by the Board, and purchases authorized by the President of the University (see Appendix, page 1084).

On motion of Mr. Williamson, the purchases recommended were authorized, and the action of the President of the University in authorizing emergency purchases was approved and confirmed.

COMPTROLLER'S REPORT OF CONTRACTS EXECUTED

(21) The Comptroller's report of contracts executed from February 11 to March 10, 1948 (see Appendix, page 1086).

This report was received for record.

REPORT OF COMMITTEE ON PATENTS

Mr. Williamson, for the Committee on Patents, presented the following report of the Committee on matters referred to it on November 29, 1947 (page 926), and January 8, 1948 (page 955).

1. Recommendation that patentable discoveries showing promise of commercial importance be released to the discoverers as agents of the University of Illinois Foundation. The Committee recommends approval.

2. Recommendation that a discovery by William J. Fry and H. L. VanVelzer of "Supersonic detection of infra-red radiation" be released to the discoverers, subject to the Rights of the Air Materiel Command. The Committee recommends approval.

3. Recommendation that a discovery by L. F. Audrieth and R. A. Penneman

of procedure for concentration of anhydrous hydrazine be released to the discoverers, so that they may be free to bring it to the attention of industries interested in this method. The Committee recommends approval.

4. Recommendation that a discovery by William J. Fry of "Continuously variable resonant frequency crystal systems, composed of a single material or any combination of materials," be released to the University of Illinois Foundation, with the recommendation that it work out a cooperative arrangement with the discoverer; or in the event that the Foundation is not interested, that the discovery be released to the discoverer. The Committee recommends approval.

5. Recommendation that a discovery by L. F. Audrieth and O. F. Hill of "a simple procedure for the preparation of monofluorophosphates" be released to the discoverers. The Committee recommends approval.

On motion of Mr. Williamson, these several recommendations were approved and adopted.

PURCHASE OF WATER FOR UNIVERSITY

Mr. McKelvey, for the Committee on Buildings and Grounds, presented a recommendation that the Board enter into a contract with the Illinois Water Service Company for the purchase of all water required by the University at Urbana and Champaign, under the following conditions, formulated in a report to President Stoddard by Mr. Lloyd Morey and Mr. C. S. Havens.

In accordance with a request of the Buildings and Grounds Committee, we have given further consideration to the possibility of the University purchasing its entire water supply from the Illinois Water Service Company.

As a result of negotiations with representatives from the water company, the Illinois Water Service Company will agree to the following in the event the University contracts to purchase its entire supply:

1. To provide a water supply and all auxiliary equipment including pumps, filtration plant, storage facilities, etc., to meet the recommendations of the National Board of Fire Underwriters. The Illinois Water Service Company further agrees to show evidence that steps have been taken to comply with the recommendations of the National Board of Fire Underwriters, within six months after receiving the report.

2. To submit annually to the University such data, as may be requested, indicating the changes in the local water consumption, characteristics of pumping, operation, etc.

3. That the division of responsibility for the maintenance of facilities will be at the property line of the University at which points all metering facilities will be located unless changed at the request of the University. The Illinois Water Service Company will provide and maintain all metering facilities including bypass piping and valves on either side of the meter. Such meter or meters shall be of the recording type.

4. That in addition to meeting the specific recommendations of the National Board of Fire Underwriters, the Illinois Water Service Company further agrees to conduct such studies as may be necessary for the long-term future water supply of the University and the community.

The University will be asked to agree:

1. To discontinue pumping except: (a) To maintain, in a satisfactory operating condition, existing equipment for emergencies. (b) To provide raw water for special uses—such as biological research. Such water, if made available to the academic departments, will not be cross-connected with the other water service facilities. (c) If and when the Illinois Water Service Company has not taken steps within six months after receiving the National Board of Fire Underwriters' report to insure and provide an adequate supply for the University and the community including that necessary for fire protection.

2. To comply with all regulations applicable to other customers relative to the use and conservation of water with the understanding that: (a) The University will be given a period of three to five years within which to correct existing

violations of such regulations. (b) For industrial use, as defined by the Illinois Commerce Commission, water may be used for cooling purposes. In the event of a disagreement on the application of the regulations, further interpretations can and will be obtained from the Illinois Commerce Commission.

3. To pay in accordance with established rate schedules for water as metered for all isolated properties.

4. To assume the cost of constructing a pit for metering facilities, or if the University requests that the meters be installed in the Filtration Plant, the University will provide and maintain the piping from the University property line into the building.

The Illinois Water Service Company is proposing to submit the following rate schedule to the Illinois Commerce Commission increasing existing unit rates by approximately 50 per cent in the quantity brackets in which practically all of the University water will be purchased:

RATES PER 100 CUBIC FEET PER QUARTER

<i>Consumption</i>	<i>Present¹</i>	
	<i>(Iron Removed Only)</i>	<i>Proposed² (Softened)</i>
1st 9000 cu.ft.....	\$0.25	\$0.40
next 9000 cu.ft.....	0.18	0.30
next 12,000 cu.ft.....	0.10	0.20
next 270,000 cu.ft.....	0.06	0.10
all over 300,000 cu.ft.....	0.06	0.09

In recognition of the quantity of water to be purchased by the University, the company has offered to request the Illinois Commerce Commission to approve a rate of 9 cents per 100 cubic feet on all water supplied over 300,000 cubic feet per quarter. The lowest rate previously proposed was 10 cents per 100 cubic feet for all over 30,000 cubic feet per quarter. The above rates contemplate softened water.

The rate of 9 cents per 100 cubic feet, although not a major reduction, is materially below the estimated cost to the University of supplying its own water from a new source which would have to be developed in an area approximately six to nine miles from the community. In a report submitted to the Board of Trustees Buildings and Grounds Committee under date of January 5, 1948 estimates on operation and maintenance were included which indicated that the lowest cost of a new University water supply would be 11.22 cents per 100 cubic feet (2.22 cents per 100 cubic feet over the rate quoted by the Illinois Water Service Company) based on double the present consumption. On the basis of present consumption, the rate for softened water would be 13.2 cents per 100 cubic feet. As also indicated in this report, an immediate minimum capital investment of \$493,000 (plus an additional \$226,000 to provide softened water) would be necessary. This report was prepared by the University's engineers, Alvord, Burdick and Howson, who are also serving as engineers for the water company.

As a result of negotiations with the Illinois Water Service Company, it is our conclusion:

1. That the University's future water supply will be adequately protected through the above outlined measures.

2. That it will be more economical for the University to purchase its water supply from the Illinois Water Service Company than to develop a new supply if the rate of 9 cents per 100 cubic feet is approved by the Illinois Commerce Commission.

3. That the University is adequately protected as to: (a) scientific needs; (b) reasonable assurance of adequate supply; (c) right to resume its own pumping in emergency or failure of the company to meet its commitments.

¹ At the present time there are only four brackets. The fifth has been added here to permit comparison.

² Until such time as softening equipment can be installed there will be a downward adjustment of approximately 25% in the proposed rates.

³ One cu. ft. = 7.48 gallons; in general discussion a conversion factor of 7½ gallons is commonly used.

We, therefore, request that the Comptroller and the Secretary of the Board be authorized to execute a contract with the Illinois Water Service Company in accordance with the above conditions and subject to approval of the Illinois Commerce Commission.

On motion of Mr. McKelvey, this contract was authorized as recommended.

HOUSING DEVELOPMENT NEAR NEW GOLF COURSE

Mr. McKelvey, for the Committee on Buildings and Grounds, reported a recommendation that, in view of studies and reports made by Professor W. H. Scheick on the probable success of a small-cost housing development near the golf course to be constructed on the Kimmel Farm, and in view of the drainage problem and the cost of drainage improvements necessary to make the area suitable for housing, no attempt be made at this time to further such development.

On motion of Mr. McKelvey, this recommendation was adopted.

TREASURER'S REPORT

The Secretary presented for record the report of the Treasurer for the period from March 1, 1947, to February 29, 1948 (see Appendix, page 1088).

SECRETARY'S REPORTS

The Secretary presented the following lists for record, as printed in the Appendix.

1. Appointments made by the President of the University (page 1075).
2. Graduate Scholars and Fellows (page 1077).
3. Resignations, declinations, and cancellations (page 1082).

The Board adjourned, to meet in Urbana on call of the President.

H. E. CUNNINGHAM

Secretary

JOHN R. FORNOF

President

APPENDIX

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parenthesis is the date on which the appointment was made by the President of the University. Part-time appointments are shown by fractions after the name of the department. C = College; S = Station; E = Extension.)

- BEDINGER, P. L., Instructor, Medicine (Medicine) ($\frac{1}{2}$), March 15-August 31, 1948, \$1560 a year, supersedes (4-5-48).
- BRAUNFELD, MRS. JOHANNA, Instructor, Foreign Languages (Undergraduate Division in Chicago) ($\frac{3}{4}$), five months beginning February 1, 1948, \$262.50 a month (3-10-48).
- BROOKS, R. G., Assistant, English ($\frac{3}{4}$), Counselor, Student Personnel Bureau ($\frac{1}{4}$), five months beginning February 1, 1948, \$295 a month, supersedes (3-13-48).
- BUNCH, MARION E., Professor, Psychology, indefinite tenure beginning September 1, 1948, \$7250 a year (3-15-48).
- CRAWFORD, F. M., Research Associate, Rural Electrification (Agricultural Engineering) (S), March 15-August 31, 1948, \$4800 a year (3-18-48).
- CUSHMAN, E. A., Instructor, Aeronautics, and Assistant to the Director, Institute of Aeronautics, April 15-August 31, 1948, \$6000 a year (4-5-48).
- DAVIS, EMILY E., Microanalyst, Chemistry, five months beginning April 1, 1948, \$225 a month (3-13-48).
- DURRELL, DOROTHY F., Assistant, Home Economics (C), full time, \$240 a month, Counselor, Student Personnel Bureau, overtime basis, \$60 a month, four months beginning March 1, 1948, supersedes (3-31-48).
- FINEBERG, HENRY, Clinical Assistant, Psychiatry (Medicine), five months beginning April 1, 1948, without salary, supersedes (3-25-48).
- FISHER, H. I., Assistant Professor, Zoology, one year beginning September 1, 1948, \$4700 (3-15-48).
- FRIEDMAN, MORRIS, Instructor, Mathematics (Undergraduate Division in Chicago) ($\frac{2}{3}$), four months beginning March 1, 1948, \$140 a month (3-13-48).
- GILLILAN, LOIS A., Assistant Professor, Hygiene, and Medical Adviser for Women, August 1, 1948-August 31, 1949, \$5000 a year (4-5-48).
- GOLDHABER, MRS. GERTRUDE S., Special Research Assistant Professor, Physics (S) ($\frac{2}{3}$), five months beginning April 1, 1948, \$3333 a year (3-30-48).
- GOLDHABER, MORITZ, Professor, Physics (C), indefinite tenure beginning April 1, 1948, \$10,000 a year, supersedes (3-30-48).
- GOODNER, MRS. MILDRED W., Assistant, English ($\frac{3}{4}$), Counselor, Student Personnel Bureau ($\frac{1}{4}$), five months beginning February 1, 1948, \$285 a month, supersedes (3-13-48).
- GREIG, W. A., Visiting Assistant, Veterinary Clinical Medicine (Veterinary Medicine), March 27-August 31, 1948, \$4500 a year (4-7-48).
- GYARFAS, KALMAN, Assistant Professor, Psychiatry (Medicine), seven months beginning February 1, 1948, \$3725 a year, supersedes (3-18-48).
- HAGNER, A. F., Associate Professor, Geology, indefinite tenure beginning September 1, 1948, \$5800 a year (3-31-48).
- HEFLIN, A. P., Instructor, Physics (Undergraduate Division in Chicago) ($\frac{1}{3}$), February 13-June 13, 1948, \$130 a month (3-13-48).
- HODGES, N. D., Assistant Legal Counsel ($\frac{1}{2}$), Special Assistant, Institute of Communications Research ($\frac{1}{2}$), six months beginning March 1, 1948, \$5400 a year, supersedes (3-13-48).
- HUA, L. K., Visiting Professor, Mathematics, one year beginning September 1, 1948, \$6500 (3-25-48).
- HUBBLE, C. J., Manager, Temporary Dormitories, seven months beginning February 1, 1948, \$4200 a year, supersedes (3-20-48).
- HURT, A. E., Assistant, Accountancy, five months beginning February 1, 1948, \$1500, supersedes (3-10-48).
- JONES, G. P., Assistant, Naval Science, until further notice beginning April 6, 1948, without salary (4-8-48).
- JULIAN, R. S., Research Assistant Professor, Electrical Engineering, on the Special Graduate College Fund for University Distinction, March 15, 1948-August 31, 1949, \$6400 a year (3-22-48).

- KELLY, R. A., Assistant Professor, Agricultural Economics (C&S) ($\frac{1}{2}$), six months beginning March 1, 1948, \$2500 a year, supersedes (3-20-48).
- KINTNER, P. M., Instructor, Electrical Engineering (C), one year beginning September 1, 1948, \$3000 (4-6-48).
- LAWRENCE, K. G., Third Year Resident, Obstetrics and Gynecology (Medicine), \$91.66 a month, also to be provided full maintenance valued at \$384 a year, Assistant, Obstetrics and Gynecology (Medicine), without salary, six months beginning January 1, 1948 (4-5-48).
- LIPTON, BARBARA, Research Assistant, Psychiatry (Medicine) (Assigned to Northwestern University), five months beginning April 1, 1948, \$200 a month, supersedes (3-25-48).
- MAGILL, L. M., Assistant, English ($\frac{3}{4}$), Counselor, Student Personnel Bureau ($\frac{1}{4}$), five months beginning February 1, 1948, \$300 a month, supersedes (3-13-48).
- MARCUS, R. E., Clinical Teaching Assistant, Otolaryngology (Medicine), eight months beginning January 1, 1948, \$2250 a year (3-23-48).
- MAXEY, G. W., Assistant, Management (Business Management Service), March 8-August 31, 1948, \$3000 a year (3-22-48).
- MCVAY, M. S., Assistant Professor, Electrical Engineering (C), one year beginning September 1, 1948, \$4500 (4-7-48).
- NIELSON, PAUL, Assistant, Psychiatry (Medicine), eight months beginning January 1, 1948, without salary (4-5-48).
- O'BRIEN, HARRIET M., Assistant, Physics (Undergraduate Division in Chicago), February 13-June 13, 1948, \$280 a month (3-20-48).
- PENDLETON, J. W., Assistant, Crop Production Research (Agronomy) (S), five months beginning April 1, 1948, \$3000 a year (4-7-48).
- PETERSON, T. B., JR., Instructor, Journalism, one year beginning September 1, 1948, \$4200 (3-20-48).
- PHILIPPE, R. R., Lecturer, Foundation Engineering (Civil Engineering) (C) (1/20), one year beginning September 1, 1948, \$300 (4-7-48).
- PITTARD, VERA K., Research Assistant, Medicine (Medicine), six months beginning March 1, 1948, \$250 a month, supersedes (3-18-48).
- POSTLEWAIT, FRANCES, Acquisition Assistant, Library, five months beginning April 1, 1948, \$2400 a year (3-18-48).
- REICKERT, F. A., Associate Professor, Civil Engineering (C), one year beginning September 1, 1948, \$5600 (4-7-48).
- REITH, MRS. GERTRUDE M., Instructor, Social Sciences (Undergraduate Division in Chicago) ($\frac{1}{3}$), five months beginning February 1, 1948, \$120 a month (3-13-48).
- SAWHILL, C. E., Associate Professor, Music, indefinite tenure, Director, Music Extension, one year, beginning September 1, 1948, \$6000 a year, supersedes (3-20-48).
- SHARPE, D. M., Research Assistant, Bureau of Research and Service, three months beginning April 1, 1948, \$2800 a year (3-31-48).
- SKOLNIK, EMANUEL, Clinical Teaching Assistant, Otolaryngology (Medicine), eight months beginning January 1, 1948, \$2250 a year (3-23-48).
- STEPLETON, MRS. PAULINE D., Associate Professor, Hygiene, and Medical Adviser for Women (Undergraduate Division in Chicago) ($\frac{1}{2}$), six months beginning March 1, 1948, \$3500 a year, supersedes (4-5-48).
- SULLIVAN, R. N., Professor, Law, indefinite tenure beginning February 1, 1948, \$9000 a year, supersedes (3-10-48).
- SWISHER, W. P., Clinical Instructor, Medicine (Medicine), March 15-August 31, 1948, without salary, supersedes (4-5-48).
- THALE, MARY A., Instructor, Humanities (Undergraduate Division in Chicago), five months beginning February 1, 1948, \$300 a month (3-13-48).
- WAGMAN, JULIUS, Instructor, Physical Sciences (Undergraduate Division in Chicago), five months beginning February 1, 1948, \$300 a month, supersedes (3-13-48).
- WILKINSON, C. W., Assistant Professor, English ($\frac{3}{4}$), Counselor, Student Personnel Bureau ($\frac{1}{4}$), six months beginning March 1, 1948, \$4450 a year, supersedes (3-13-48).

- WILSON, F. M., Instructor, Ophthalmology (Medicine), two months beginning July 1, 1948, \$5000 a year (3-25-48).
WITTMAN, PHYLLIS, Assistant Professor, Psychology (Psychiatry) (Medicine), six months beginning March 1, 1948, without salary (3-15-48).
ZEKMAN, T. N., Instructor, Ophthalmology (Medicine), February 23-August 31, 1948, without salary (3-25-48).

GRADUATE SCHOLARS AND FELLOWS

(The following appointments were made by the President of the University on March 25, 1948, except where otherwise indicated in parenthesis.)

URBANA DEPARTMENTS

Agricultural Economics

- ASHE, A. J., Scholar, nine months beginning September 16, 1948, \$700.
SLEIGHT, LYNN G., Scholar, nine months beginning September 16, 1948, \$700.

Agronomy

- HANSEN, JAMES R., Fellow, nine months beginning September 16, 1948, \$850.
PFEIFER, ROBERT P., Fellow, September 16, 1948, through January 31, 1949, \$500.

Animal Science

- BURKE, KENNETH A., Fellow, nine months beginning September 16, 1948, \$1000.

Bacteriology

- ALTENBERN, ROBERT A., Fellow, September 16, 1948, through January 31, 1949, \$500.
HIRSCH, HERBERT M., Scholar, nine months beginning September 16, 1948, \$700.

Ceramic Engineering

- SOWMAN, HAROLD G., Titanium Alloy Company Fellow, nine months beginning September 16, 1948, \$1800.
YEN, TUNG-SHENG, Fellow, nine months beginning September 16, 1948, \$1000.

Chemistry

- ALDRICH, PAUL H., Monsanto Chemical Company Fellow, nine months beginning September 16, 1948, \$1200.
ANDERSON, JOHN L., Fellow, nine months beginning September 16, 1948, \$850.
ARVAN, PETER G., Fellow, September 16, 1948, through January 31, 1949, \$500.
ASSELIN, GEORGE F., Fellow, September 16, 1948, through January 31, 1949, \$500.
BABB, ALBERT L., Scholar, nine months beginning September 16, 1948, \$700.
BANNISTER, ROBERT G., Fellow, nine months beginning September 16, 1948, \$850.
BARTHEL, ERIC, JR., Fellow, nine months beginning September 16, 1948, \$1000.
BECK, K. M., Abbott Fellow, four months beginning February 1, 1948, \$1200 (3-22-48).
BERRY, ROBERT E., Fellow, nine months beginning September 16, 1948, \$1000.
BERTOGGIO, HARIETT V., Scholar, nine months beginning September 16, 1948, \$700.
BEYLER, ROGER E., Fellow, nine months beginning September 16, 1948, \$1000.
BHATTACHARYYA, PRABHAT K., Fellow, nine months beginning September 16, 1948, \$1000.
BLOCK, BURTON P., Fellow, September 16, 1948, through January 31, 1949, \$500.
BLUESTEIN, BERNARD R., Fellow, nine months beginning September 16, 1948, \$1000.
BOCKSTAHLER, THEODORE E., Pennick and Company Fellow, nine months beginning September 16, 1948, \$1500.
BOCKSTRUCK, HERMAN N., Scholar, nine months beginning September 16, 1948, \$700.
BRANDT, WARREN W., Fellow, nine months beginning September 16, 1948, \$850.
BRANDT, WILFRED H., JR., Scholar, nine months beginning September 16, 1948, \$700.
BRODNICKI, LORETTA J., Scholar, nine months beginning September 16, 1948, \$700.
BROWN, JEROME E., Fellow, nine months beginning September 16, 1948, \$1000.
CAMPBELL, JOHN B., Allied Chemical and Dye Fellow, nine months beginning September 16, 1948, \$1200.
CARNAHAN, ROBERT E., Fellow, nine months beginning September 16, 1948, \$850.

- CELMER, WALTER D., Fellow, nine months beginning September 16, 1948, \$850.
CRAWFORD, JEAN V., Fellow, nine months beginning September 16, 1948, \$850.
DALTON, RICHARD L., Scholar, nine months beginning September 16, 1948, \$700.
DELBECQ, CHARLES J., Fellow, nine months beginning September 16, 1948, \$1000.
DEWALT, HARRY A., JR., Eli Lilly Fellow, nine months beginning September 16, 1948, \$1000.
ECKERT, ROGER E., Scholar, nine months beginning September 16, 1948, \$700.
ELINS, HERBERT S., Fellow, nine months beginning September 16, 1948, \$1000.
ENGLUND, BRUCE E., Standard Oil of Indiana Fellow, nine months beginning September 16, 1948, \$1000.
FELLEY, DONALD L., Fellow, nine months beginning September 16, 1948, \$1000.
FICKETT, WILDON, Scholar, nine months beginning September 16, 1948, \$700.
FOSTER, ROBERT L., Scholar, nine months beginning September 16, 1948, \$700.
GELLER, HENRY C., Scholar, nine months beginning September 16, 1948, \$700.
GORDON, JOSEPH R., Standard Oil of California Fellow, nine months beginning September 16, 1948, \$1250.
HECKERT, RICHARD E., Minnesota Mining and Manufacturing Company Fellow, nine months beginning September 16, 1948, \$1200.
HUIZENGA, JOHN R., Fellow, September 16, 1948, through January 31, 1949, \$500.
HWA, JESSE C., Fellow, nine months beginning September 16, 1948, \$1000.
JOHNSON, JAMES L., Fellow, September 16, 1948, through January 31, 1949, \$500.
JOHNSON, JOHN H., Allied Chemical and Dye Fellow, nine months beginning September 16, 1948, \$1200.
JONES, VIRON V., Cincinnati Chemical Company Fellow, nine months beginning September 16, 1948, \$1000.
KESLER, GEORGE H., Scholar, nine months beginning September 16, 1948, \$700.
KLOSTY, MARYLIN, Scholar, nine months beginning September 16, 1948, \$700.
KOEPPPE, ROGER E., Fellow, nine months beginning September 16, 1948, \$850.
KOLLING, ORLAND W., Scholar, nine months beginning September 16, 1948, \$700.
LIBBY, WILLIAM H., Fellow, nine months beginning September 16, 1948, \$1000.
MADER, PAUL M., Fellow, nine months beginning September 16, 1948, \$1000.
MARSHALL, CLIFFORD D., Fellow, nine months beginning September 16, 1948, \$1000.
MATTON, RAYMOND H., Eastman Kodak Fellow, nine months beginning September 16, 1948, \$1200.
NEUMARK, GERTRUDE F., Scholar, nine months beginning September 16, 1948, \$700.
PIERCE, NORWIN C., Fellow, September 16, 1948, through January 31, 1949, \$500.
PIERLE, RUTH C., Fellow, nine months beginning September 16, 1948, \$1000.
PIZZOLATO, PHILIP J., Fellow, nine months beginning September 16, 1948, \$1000.
POOS, GEORGE I., Fellow, nine months beginning September 16, 1948, \$850.
RIENER, EDWARD F., Fellow, nine months beginning September 16, 1948, \$850.
ROBB, WALTER L., Scholar, nine months beginning September 16, 1948, \$700.
ROESKE, ROGER W., Scholar, nine months beginning September 16, 1948, \$700.
ROTHEROCK, JOHN, Dupont Fellow, nine months beginning September 16, 1948, \$1800.
RUYLE, WILLIAM V., Fellow, September 16, 1948, through January 31, 1949, \$500.
SCOTT, DONALD S., Fellow, nine months beginning September 16, 1948, \$1000.
SEVEN, RAYMOND P., Fellow, September 16, 1948, through January 31, 1949, \$500.
SHEALY, YODER F., Fellow, September 16, 1948, through January 31, 1949, \$500.
SHOEMAKER, GRADUS L., Fellow, September 16, 1948, through January 31, 1949, \$500.
TODD, DAVID B., Fellow, nine months beginning September 16, 1948, \$850.
TULL, ROGER J., Rohm and Haas Company Fellow, nine months beginning September 16, 1948, \$1200.
TWIST, JANE E., Scholar, nine months beginning September 16, 1948, \$700.
UNDERHILL, ELIZABETH J., Fellow, nine months beginning September 16, 1948, \$1000.
WALLACE, DAVID J., Fellow, September 16, 1948, through January 31, 1949, \$500.
WEIDMAN, KATHARINE R., Scholar, nine months beginning September 16, 1948, \$700.
WILDMAN, WILLIAM C., Fellow, nine months beginning September 16, 1948, \$1000.
ZIRKLE, CHARLES L., Walter G. Karr Fellow, nine months beginning September 16, 1948, \$1000.

Civil Engineering

- DIAO, KAI-I, Fellow, nine months beginning September 16, 1948, \$850.
LEE, TIEN-UN, Fellow, nine months beginning September 16, 1948, \$850.
LI, RICHARD I., Fellow, nine months beginning September 16, 1948, \$850.

MCCAMMON, LEWIS B., JR., Fellow, nine months beginning September 16, 1948, \$850.
WANG, PING-CHUN, Fellow, nine months beginning September 16, 1948, \$850.
YUAN, HSUN-KUANG, Fellow, nine months beginning September 16, 1948, \$850.

Classics

HAGER, WINIFRED J., Fellow, nine months beginning September 16, 1948, \$850.

Economics

HU, SIEN-TSIN, Fellow, four months beginning February 1, 1948, \$420 (3-13-48).
JAKLE, ROY W., Scholar, nine months beginning September 16, 1948, \$700.
PAYNE, JAMES P., JR., Fellow, nine months beginning September 16, 1948, \$850.
SAGAN, JOHN, JR., Scholar, nine months beginning September 16, 1948, \$700.
STRINGER, LUCILLE H., Scholar, nine months beginning September 16, 1948, \$700.

Education

BAUNER, CATHERINE I., Scholar, nine months beginning September 16, 1948, \$700.
RICCI, THEODORE I., JR., Fellow, nine months beginning September 16, 1948, \$850.

Electrical Engineering

BERGMAN, CLARENCE E., E. I. Dupont Company Fellow, nine months beginning September 16, 1948, \$1800 (4-1-48).
BRYANT, JOHN H., Westinghouse Fellow, nine months beginning September 16, 1948, \$1000.
DINGWALL, ROBERT A., Scholar, nine months beginning September 16, 1948, \$700.
GHANDHI, SORAB K., Fellow, nine months beginning September 16, 1948, \$850.
KERR, JAMES S. S., Scholar, nine months beginning September 16, 1948, \$700.
LESK, ISRAEL A., Jansky and Bailey Fellow, nine months beginning September 16, 1948, \$750.
LIN, CHI-YUNG, Fellow, nine months beginning September 16, 1948, \$850.
MCCOLLOM, KENNETH A., Galvin Fellow, nine months beginning September 16, 1948, \$750.
SHUB, LIONEL, Scholar, nine months beginning September 16, 1948, \$700.

English

BUCKLER, WILLIAM, Fellow, nine months beginning September 16, 1948, \$1000.
CLARKE, GORDON W., Fellow, nine months beginning September 16, 1948, \$1000.
GREINER, JANET L., Scholar, nine months beginning September 16, 1948, \$700.
HARTLEY, LOIS T., Fellow, nine months beginning September 16, 1948, \$1000.
HUNT, EFFIE N., Fellow, nine months beginning September 16, 1948, \$1000.
JACKSON, JAMES L., Fellow, nine months beginning September 16, 1948, \$1000.
PROCTOR, LAURA M., Fellow, nine months beginning September 16, 1948, \$850.

Entomology

CHANG, PEH-I, Fellow, nine months beginning September 16, 1948, \$1000.
KRAMER, SOL, Fellow, nine months beginning September 16, 1948, \$2400.
SOMMERMAN, KATHRYN M., Fellow, nine months beginning September 16, 1948, \$2400.

French

FRIEDMAN, GERTRUDE F., Scholar, nine months beginning September 16, 1948, \$700.
MINN, JAY P., Fellow, nine months beginning September 16, 1948, \$850.
WOODS, DOROTHEA E., Fellow, nine months beginning September 16, 1948, \$1000.

Geology

BERGSTROM, ROBERT E., Scholar, nine months beginning September 16, 1948, \$700.
DEVRIES, ROBERT C., Scholar, nine months beginning September 16, 1948, \$700.
HARRISON, JACK E., Scholar, nine months beginning September 16, 1948, \$700.
HENTON, JOHN M., JR., Scholar, nine months beginning September 16, 1948, \$700.
JOHNS, WILLIAM D., Scholar, nine months beginning September 16, 1948, \$700.
MULLER, ERNEST H., Fellow, nine months beginning September 16, 1948, \$850.

German

DAYE, DONNA LOIS, Scholar, nine months beginning September 16, 1948, \$700.
GARRETT, BERLE E., Scholar, nine months beginning September 16, 1948, \$700.
GLADE, HENRY, Fellow, nine months beginning September 16, 1948, \$850.

History

AGNEW, JOHN P., Fellow, nine months beginning September 16, 1948, \$1000.
BAUGHMAN, ELIZABETH, Scholar, nine months beginning September 16, 1948, \$700.
BEATTIE, MARGARET R., Fellow, nine months beginning September 16, 1948, \$1000.
KENISTON, MRS. MURIEL C., Fellow, nine months beginning September 16, 1948, \$1000.
KEPHART, JOHN E., JR., Scholar, nine months beginning September 16, 1948, \$700.
REYNOLDS, ELSIE E., Scholar, nine months beginning September 16, 1948, \$700.
STEELY, WILL F., Fellow, nine months beginning September 16, 1948, \$850.
SULLIVAN, RICHARD E., Nonresident Fellow, nine months beginning September 16, 1948, \$1500.
THALER, RODERICK P., Fellow, nine months beginning September 16, 1948, \$850.

Home Economics

TAYLOR, MRS. SADIE W., Scholar, nine months beginning September 16, 1948, \$700.

Journalism

FETT, RONALD R., Scholar, nine months beginning September 16, 1948, \$700.
REENE, CHARLES W., Scholar, nine months beginning September 16, 1948, \$700.

Labor and Industrial Relations

COHN, EVA G., Scholar, nine months beginning September 16, 1948, \$700.
SMITH, JOHN H., William J. Donovan Fellow, one year beginning July 1, 1948, \$1200.

Mathematics

GOODNER, DWIGHT B., Fellow, nine months beginning September 16, 1948, \$1000.
HOWARD, WILLIAM A., Scholar, nine months beginning September 16, 1948, \$700.
JOHNSON, SELMER M., Fellow, nine months beginning September 16, 1948, \$1000.
KADOYAMA, MITSURU, Scholar, nine months beginning September 16, 1948, \$700.
KELLER, CHARLES L., JR., Scholar, nine months beginning September 16, 1948, \$700.
KINNEY, JOHN R., Fellow, nine months beginning September 16, 1948, \$1000.
LIVESAY, GEORGE R., Fellow, nine months beginning September 16, 1948, \$850.
MOY, MRS. SHU-TEH C., Fellow, nine months beginning September 16, 1948, \$850.
SANDERSON, JUDSON, JR., Fellow, nine months beginning September 16, 1948, \$850.
SNELL, LAURIE J., Fellow, nine months beginning September 16, 1948, \$850.

Mechanical Engineering

KANG, CHI-LUNG, Fellow, nine months beginning September 16, 1948, \$850.
KLEBAN, WARREN G., Scholar, nine months beginning September 16, 1948, \$700.

Mining and Metallurgical Engineering

ROUGH, FRANK A., Fellow, nine months beginning September 16, 1948, \$850.

Music

BESTOR, CHARLES L., Scholar, September 16, 1948, through January 31, 1949, \$350.
CANAVAN, ROSEMARY, Scholar, nine months beginning September 16, 1948, \$700.

Philosophy

HAYNES, THOMAS M., Fellow, nine months beginning September 16, 1948, \$1000.
HENNEGAR, GILFORD H., JR., Scholar, nine months beginning September 16, 1948, \$700.

Physics

BROWN, EDMOND, Scholar, nine months beginning September 16, 1948, \$700.
COHN, MARIUS, Fellow, nine months beginning September 16, 1948, \$1000.
CUTLER, MAYNARD A., Scholar, nine months beginning September 16, 1948, \$700.

DRELL, SIDNEY D., Fellow, nine months beginning September 16, 1948, \$1000.
 EHRLMAN, JOACHIM B., Scholar, nine months beginning September 16, 1948, \$700.
 FULLER, GLADYS H., Fellow, nine months beginning September 16, 1948, \$1000.
 HAHN, ERWIN L., Fellow, nine months beginning September 16, 1948, \$1000.
 HEISLER, RITA, Scholar, nine months beginning September 16, 1948, \$700.
 KLEMA, ERNEST D., Fellow, nine months beginning September 16, 1948, \$850.
 KUBITSCHKE, HERBERT E., Fellow, nine months beginning September 16, 1948, \$1000.
 LILLIE, ALAN B., Fellow, nine months beginning September 16, 1948, \$850.
 LOGAN, RALPH A., Fellow, nine months beginning September 16, 1948, \$850.
 LUSTIG, HARRY, Scholar, nine months beginning September 16, 1948, \$700.
 MISCHEL, THEODORE, Fellow, nine months beginning September 16, 1948, \$850.
 RODGERS, FRANKLIN A., Fellow, nine months beginning September 16, 1948, \$1000.
 SCOTT, MERRILL B., Scholar, four months beginning February 1, 1948, \$250 (3-13-48).
 SCOTT, MERRILL B., Fellow, nine months beginning September 16, 1948, \$850.
 ZIMMERMAN, EDWARD J., Fellow, nine months beginning September 16, 1948, \$1000.

Political Science

BRASINGTON, GEORGE F., JR., Fellow, nine months beginning September 16, 1948, \$850.
 CALDWELL, GEORGE H., Scholar, nine months beginning September 16, 1948, \$700.
 MICKLE, STEPHEN R., Scholar, nine months beginning September 16, 1948, \$700.
 SULLIVAN, CATHERINE, Scholar, nine months beginning September 16, 1948, \$700.

Psychology

HEYER, ALBERT W., JR., Fellow, nine months beginning September 16, 1948, \$850.
 HOPKINS, CHARLES O., Scholar, nine months beginning September 16, 1948, \$700.
 PRICE, CYNTHIA J., Scholar, nine months beginning September 16, 1948, \$700.

Social Welfare Administration

SACADAT, MRS. EVELYN H., Scholar, nine months beginning September 16, 1948, \$700.

Sociology

DELAMARTER, WALTER R., Scholar, nine months beginning September 16, 1948, \$700.

Spanish

LOEHLIN, MARIAN R., Scholar, nine months beginning September 16, 1948, \$700.
 NORTON, RICHARD W., Scholar, nine months beginning September 16, 1948, \$700.
 RIES, CAROL E., Scholar, nine months beginning September 16, 1948, \$700.
 WINGET, LYNN W., Scholar, nine months beginning September 16, 1948, \$700.

Zoology

SEALANDER, JOHN A., Fellow, nine months beginning September 16, 1948, \$1000.
 SONGER, RICHARD G., Scholar, nine months beginning September 16, 1948, \$700.
 WIEBE, HAROLD T., Fellow, nine months beginning September 16, 1948, \$1000.
 WURTH, MERLE J., Scholar, nine months beginning September 16, 1948, \$700.

CHICAGO DEPARTMENTS

Dentistry

BREEN, ROSS, Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).
 EMSLIE, RONALD D., Fellow, one year beginning July 1, 1948, \$1800 (4-8-48).
 NIKIFORUK, GORDON, Fellow, one year beginning July 1, 1948, \$1800 (4-8-48).

Medicine

BERRY, ISAAC, Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).
 CHANG, H. T., Fellow, one year beginning September 1, 1948, \$1800 (4-8-48).
 HENNIGAR, GORDON R., Fellow, one year beginning September 1, 1948, \$1800 (3-26-48).
 HESS, ROBERT A., Fellow, one year beginning July 1, 1948, \$1800 (4-8-48).
 JAVID, HUSHANG, Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).

JORDAN, PAUL, Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).
KIELY, JOSEPH M., Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).
SCHWAB, JOHN, Fellow, one year beginning July 1, 1948, \$1800 (3-13-48).

Pathology

GARZOLI, RAY F., Research Fellow, April 1, 1948-June 30, 1949, \$1320 a year (4-5-48).

Physiology

BURNS, RICHARD O., JR., Research Fellow, six months beginning April 1, 1948, \$2000 (3-25-48).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

ASHE, A. J., Scholar, Agricultural Economics — declination effective 9-1-48.
BINNS, D. A., Assistant, Naval Science — termination effective 4-6-48.
BLISS, G. B., Special Research Graduate Assistant, Electrical Engineering (S) — termination effective 10-1-47.
BREEN, ROSS, Fellow, Dentistry — declination effective 7-1-48.
CALDWELL, G. H., Scholar, Political Science — declination effective 9-1-48.
COLIN, E. C., JR., Special Research Graduate Assistant, Civil Engineering (S) — resignation effective 10-1-47.
COMEFORO, J. E., Special Research Associate, Ceramic Engineering (S) — resignation effective 2-1-48.
COOK, E. E., Electroencephalographer, Psychiatry (Medicine) — resignation effective 3-12-48.
COTTRELL, LOIS M., Research Assistant, Allergy (Medicine) — resignation effective 4-15-48.
DAUPHIN, E. L., Special Research Graduate Assistant, Civil Engineering (S) — resignation effective 10-1-47.
DEVRIES, R. C., Scholar, Geology — declination effective 9-1-48.
ERICKSON, A. E., First Assistant, Soil Survey Research (Agronomy) (S) — resignation effective 6-1-48.
HANSEN, J. R., Fellow, Agronomy — declination effective 9-1-48.
HEISLER, RITA, Scholar, Physics — declination effective 9-1-48.
HOPKINS, C. O., Scholar, Psychology — declination effective 9-1-48.
HOWARD, W. A., Scholar, Mathematics — declination effective 9-1-48.
JASPER, WILLIAM, Research Assistant, Physiology (Medicine) — resignation effective 3-6-48.
JASPER, WILLIAM, Research Fellow, Physiology (Medicine) — cancellation effective 1-1-48.
JONES, J. P., JR., Assistant Professor, Journalism, Assistant to the Director, School of Journalism — resignation effective August 31, 1948.
JONES, L. W., Special Research Graduate Assistant, Civil Engineering (S) — resignation effective 10-1-47.
KELLY, BETTY J., Research Assistant, Bureau of Research and Service — declination effective 2-1-48.
KRAMER, SOL, Fellow, Entomology — declination effective 9-1-48.
LILLIE, A. B., Fellow, Physics — declination effective 9-1-48.
MALBIN, BARNEY, Clinical Assistant, Medicine (Rush) (Medicine) — resignation effective 3-1-48.
MOSS, W. G., Instructor, Physiology (Medicine) — resignation effective 3-24-48.
PICKETT, J. M., JR., Special Research Graduate Assistant, Civil Engineering (S) — resignation effective 10-1-47.
POND, MRS. JANE E., Instructor, Nutrition (Medicine) — resignation effective 2-10-48.
ROBB, W. L., Scholar, Chemistry — declination effective 9-1-48.
SACADAT, EVELYN H., Scholar, Social Welfare Administration — declination effective 9-1-48.
SCOTT, M. B., Scholar, Physics — declination effective 2-1-48.
SOUTHERN, W. A., Reference-Circulation Librarian, rank of Instructor (Undergraduate Division in Chicago) — resignation effective 5-1-48.
WINGET, LYNN W., Scholar, Spanish — declination effective 9-1-48.

AWARD OF CERTIFICATES OF CERTIFIED PUBLIC ACCOUNTANT

MILTON SAMUEL APPLEBAUM	BERNARD FRANCIS HISS
RICHARD STANLEY BAER	GEORGE MICHAEL HORN
ALLEN KENNETH BARROWS	H. JEANETTA HUNSE
JAMES RANDOLPH BARTLETT	JOHN ALLEN HURD
FRITZ ALEXANDER BAUER	LEON JACOBY
CHARLES RAYMOND BEAUREGARD	KARL DODD JAHNKE
BERNARD BERZOSKY	BARNEY JANIAK
FRANK ANDREW BEST	ARTHUR GEORGE JAROS
FLETCHER ROCKWELL BINGHAM	IRWIN JECHA
JACKSON LEROY BOUGHNER	ARTHUR HYRUM JOHNSON
EDWARD ANTHONY BOWEN	JOHN EMMETT KEENAN
CHARLES OSCAR BOWER	HARRY ELMER KELLOGG
THOMAS BENDELOW BROWN	ROLAND JACK KELSEY
HYMEN BURSTEIN	JOHN JOSEPH KINNEY
FRANK OWEN BYRNE	CLYDE ARTHUR KINZEY
RICHARD CAMPOBELLO	PAUL KIRCHER
SAMUEL CAMPOBELLO	ALEXANDER SANDOR KNOPFLER
HENRY JOSEPH CINNICK	LLOYD JOHN KURKOWSKI
NEIL EDWIN CLIFTON	BERTIL EUGENE LANDSTROM
BERNARD DAVID COHN	JOHN FINN LANGDON
ROBERT ARTHUR COLLETT	HAROLD PAUL LANNES
NEWELL PRESTON CROCKETT, Jr.	MARK JOSEPH LIES
DAVID MARSHALL CULP	STANLEY IVAR LINDAHL
CLARENCE ELLIS DAMHORST	FRANKLIN KEITH LISTEBARGER
FLEMING JONES DEAL	GEORGE PERCY LUCKOW
BERT DENVER DICKEY	MARTIN MAINZER
ROBERT KEITH DiVALL	SAM MALEN
MILES JOSEPH DOAN	ROBERT MARKENS
ROY EDGAR DUVAL	ALVIN MARKOFF
ISRAEL HARRY EDELSTEIN	WINSTON SYLVANUS McADOO
ROBERT LADD ELLIOTT	DEAN RAYMOND McCLANE
MARTIN CONRAD EMO	ARTHUR JAMES McCOURT
BERT PAUL ERIKSON	JOHN EDWARD McMULLEN
FRANK ANTHONY ERNST	PETER LEOPOLD MEYER, JR.
ROBERT GENE ETTELSON	RALPH LAWRENCE MEYER
WALLACE EVANS, JR.	VERNE EUGENE MILDE
THEODORE TED FEINZIMER	THOMAS EUGENE MILES
PAUL EMMET FERTIG	NANCY SUE MOORE
RICHARD RUSSELL FITCH	JOSEPH EDWARD MORAN
BERNARD OLIVER FLURKEY	LEO RAYMOND NEWCOMBE
ROBERT DAVID FRANKS	JOHN WILLIAM NICHOLSON
GERALD LEROY FUCHS	DELMAR EDWARD NORTON
ROBERT FREDERICK GEISLER	PATRICK FRANCIS O'BRIEN
JAMES JOSEPH GINTY	EARL EDMUND ODAL
JOSHUA HARRY GLICK	EDWARD M. OHER
SEYMOUR PHILIP GOLDEN	JOSEPH AUGUSTINE O'LEARY
FILMORE CHARLES GOLDSTEIN	HARRY ADOLPH OLSEN
HYMAN GORDON	HERBERT HAROLD OSTROW
JULIAN IRVING GRAFF	FRANK MICHAEL OSWALD
ALBERT LAWRENCE GREEN, JR.	PAUL ROBERT PACKER
PAUL S. GREEN	REGINALD ROBERT WILLIAM PETERSON
WILLIAM GERALD GROHNE	ROLLEIGH EUGENE PETERSON
WARREN CHRISTIAN GROSCH	GEORGE WILLIAM PIANE
WILLIAM DELANEY HALL	JAMES IRVING POOLE, JR.
HUBERT A. HAMILTON	JOHN GEORGE PUTTA
ROLAND EMIR HANSEN	ARTHUR FRANK RAPP
EARL HASSETT	PAUL ROBERT RASMUSSEN
THOMAS WILLIAM HAVEY	COLIN JAY REEVES
ARTHUR ROBERT HAWKINSON	SAMUEL ABRAM ROBBINS
ALLAN CHARLES HICKS	LESTER ROCKOFF
GEORGE HILL, JR.	JOSEPH RUBIN

JOSEPH PHILIP RUD
EDMOND SAMUEL SAGER
RUDOLPH FREDERICK SCHAEFER
EILEEN MARIE SCHROEDER
ELI ISRAEL SCHUPACK
GERALD SHALL
RICHARD LIDDLE SHOTLIFF
ROBERT HARVEY SIGEL
RALPH DAVID SILVER
STEVEN STADNICK
IVAN JOHN STRAYER
WILLIAM JAMES STURM
PAUL RICHARD STURTZ
ROBERT EUGENE SWENSON
MITCHELL TEICH
CHARLES ADAM UTZINGER
CECIL ELBRIDGE VANCIL

CEDRIC PHILIP VOLL
VICTOR GRANT WALLISA
GARRETT ROBERT WALROTH
GRANVILLE GEORGE WARD
ROBERT EDWARD WARHOVER
MORRIS WEISER
HARLAN ARTHUR WHITE
JAMES ORUAL WHITE, JR.
FRANK HARDY WHITNEY
ROBERT VINCENT WILCOX
GEORGE RICHARDSON WILLIAMS
ROBERT CAMPBELL WINGATE
WILLIAM ROBERT WOELFEL
JOHN ROBERT WOODS
GEORGE PAUL ZENNER
EDWARD ZIPPERSTEIN

PURCHASES

Purchases Recommended

The Director of Purchases has proposed and the Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest bid, or because the item is noncompetitive, or to obtain earliest delivery.

Item	Department	Vendor	Cost
One fuselage assembly and other parts for Cessna 140 airplane	Institute of Aeronautics	Taynor-Harris Aviation Service, Champaign	\$1 307 57
One 1390-E dual-beam oscillograph, DuMont, with 5SP11 tube; 1 5SP7 cathode ray tube	Physics	Alfred Crossley and Associates, Chicago	1 354 75
15 Ritter units with thermometer syringe and light adapter; 3 ditto with light adapter	Dental Administration	Ritter Co., Inc., Rochester, N.Y.	12 279 36
Miscellaneous laboratory supplies and equipment	Biological Chemistry	E. H. Sargent & Co., Chicago A. S. Aloe & Co., Chicago A. S. LaPine & Co., Chicago Central Scientific Co., Chicago Wilkins-Anderson Co., Chicago Fisher Scientific Co., Philadelphia, Pa. Scientific Glass Apparatus Co., Inc., Bloomfield, N.J.	976 45 2 391 33 1 655 54 4 848 24 381 54 391 40 484 85
Remodel 3 left-hand and 3 right-hand student cabinets	Dental Administration	Hamilton Mfg. Co., Two Rivers, Wis.	3 430 00 including frt. and cartage
One polarograph, Model XXI. S-29303	Toxicology (Medicine)	E. H. Sargent & Co., Chicago	1 650 00
One 13"x5' South Bend precision lathe with motor drive and accessories	Ceramic Engineering	Morehouse & Wells Co., Decatur	1 368 70
Installation of new rotating anode tube in the Westinghouse X-ray equipment in McKinley Hospital	McKinley Hospital	Dick X-Ray Co., St. Louis, Mo.	1 394 00 installed
Approximately 40 head yearling stocker steers	Animal Science	Professor F. C. Francis will select and negotiate for steers when available	Approximately 6 500 00
One Hayes Type A-4 furnace and 1 Hayes Type LR-51 furnace complete with controls	Electrical Engineering	C. I. Hayes, Inc., Providence, R.I.	2 233 50
One microscope 18 ML inclined binocular "L" and single body tube with adjustable draw tube; 1 #1000100 phase turret condenser—with iris diaphragm and one free aperture; 1 set phase objective	Zoology-Physiology	American Optical Co., Chicago	1 421 00

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One D4-60" Caterpillar tractor equipped with IT4 Traxcavator	Physical Plant	Central Illinois Tractor & Equipment Co., Springfield	6 933 10
Parts required to convert 3 left-hand clinic cabinets and 3 right-hand clinic cabinets to center cabinets	Dental Administration	Ritter Co., Inc., Rochester, N.Y.	2 191 11
Steel gallery with stair in Abbott Power Plant	Physical Plant	Ornamental Metalworks Co., Decatur	1 457 00
11 American auxiliary cabinets No. 1005-7D solid ivory tan finish	Dental Administration	S. S. White Dental Mfg. Co., Chicago	1 872 75
Six No. 5630 (Z-1303) ignition rectifier tubes	Physics	General Electric Co., Springfield	4 158 00
Five 13H Spencer microscopes complete, but without cases	Horticulture	Chicago Apparatus Co.	1 597 00
Steel furniture for offices in new Electrical Engineering Building	Electrical Engineering	Educational and Institutional Cooperative Service, Inc., New York City	3 372 27
Fire and extended coverage insurance (80%) on Navy Pier Drill Hall (a frame building) in the amount of \$240,000, which coverage is required under the lease with the City of Chicago; three-year renewal at a total premium of \$6,396 to be placed with the following insurance brokers, the lowest bidders, who quoted identical three-year rates of \$2.425 (fire) and \$.24 (extended coverage) a \$1,000	Physical Plant, Chicago Undergraduate Division	Howard Hare, Chicago (\$25,000)	666 25
		Burton & Trelease, Champaign (\$25,000)	666 25
		James S. Kemper, Chicago (\$60,000) (Mutual coverage representing 25% of the overall amount)	1 599 00
		George F. Gachwindt, Chicago (\$37,500)	999 38
		W. R. Hidy, Champaign (\$27,500)	732 87
80 tons of phosphate	Agricultural Economics	H. R. Bresee Agency, Champaign (\$55,000)	1 465 75
		Boggs & Cogdal, Urbana (\$10,000)	266 50
		Ruhm Phosphate & Chemical Co., Chicago	15 25 a ton f.o.b. Mt. Pleasant, Tenn. subject to freight rate of 5 40 a ton
65,000 copies Part 1 and 35,000 copies Part 2, Illinois Farm Record Book	Agricultural Economics	Howard Printing Co., Peoria	11 832 00 f.o.b. Urbana
One No. 5-184D Warburg Manometric apparatus; 14 No. 5-203 flasks; 1 No. 5-212 Brodie solution bottle, 4 oz.	Dairy Production	American Instrument Co., Silver Spring, Md.	1 433 25 f.o.b. Silver Spring
14,000 copies Summer Session Time Tables to be printed by photo offset process	University Press	Edwards Brothers, Inc., Ann Arbor, Mich.	1 405 00 f.o.b. Ann Arbor
One carload (100 drums) Methanol	Aeronautical Engineering	Commercial Solvent Corp., Chicago	37 1/4¢ a gal. 2 025 00 f.o.b. Urbana
One Hardinge precision ball bearing tool room lathe and accessories	Electrical Engineering	Hardinge Brothers, Inc., Elmira, N.Y.	3 885 50 f.o.b. Elmira
One Cambridge plethysmograph, Burch-Winsor type	Surgery	Cambridge Instrument Co., Chicago	1 259 70
One Ludlow typograph machine complete with electric-heated crucible, water-cooling system, motor and super-surfacer machine	Print Shop	Ludlow Typograph Co., Chicago	2 898 15 f.o.b. Chicago
Field piece components for 300 MEV betatron	Physics	Milwaukee Welded Products Co., Milwaukee, Wis.	8 541 00
Ten Synchronous Mono-Drums with 6.25" diameter by 10" tall, all aluminum drums for Mono-Drum and extension complete with 48" long rod	Veterinary Physiology and Pharmacology	Gorrell and Gorrell Co., Haworth, N.J.	1 475 00 f.o.b. factory, River Edge, N.J.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
150 reams 22x34, 40 lb. 100% rag bond paper, white; 75 reams 22x34, 32 lb. ditto; 48 reams 22x34, 26 lb. ditto.	Office Supply Store	J. W. Butler Paper Co., Chicago	3 586 38
465 reams 25% rag bond paper, white	Office Supply Store	J. W. Butler Paper Co., Chicago	3 479 18
Approximately 22,600 board feet No. 1 fir lumber S4S	Physical Plant	Hunter Lumber Co., Urbana	2 335 89
Six 48-drawer oak cabinets with locks for individual laboratory equipment to be built in accordance with specifications	Botany	Walrus Manufacturing Co., Decatur	1 800 00 f.o.b. Decatur
One 1-ton 4-wheel drive Willys Jeep truck with stake body	Dairy Production	Reeder Auto Sales, Champaign	1 826 43 f.o.b. delivered
240 15x18x42 double tier steel lockers	Architecture	Jack Sheean, Bloomington	1 912 80 f.o.b. Urbana
42" wood planer, complete with motor and accessories	Physical Plant, Chicago Undergraduate Division	Gustafson & Scott Mfg. Co., Chicago	3 250 00
½ or ¾ ton 8-cylinder Ford Pickup Truck equipped with heater	Physical Plant	McCreery Motor Sales, Galesburg	1 440 00 (less Fed. excise tax)
Fabrication of miscellaneous bolts, nuts, washers, and insulators for 300 MEV betatron	Physics	Fred Swanson Machine Shop, Champaign	3 481 59
One No. 2000 scopicon, complete; one No. 2050 transparent plastic dust cover for projector	Veterinary Pathology and Hygiene	Scopicon, Inc., New York City	2 757 50 f.o.b. New York City
One Model HS glass working lathe and accessories	Electrical Engineering	Litton Industries, Redwood City, Calif.	1 677 00 f.o.b. San Carlos, Calif.

Report of Purchases Authorized by the President of the University

The following purchases have been authorized by the President of the University on the recommendations of the Director of Purchases and the Comptroller. Unless otherwise specified the purchases were made on the basis of lowest bids, or because the items are noncompetitive, or to obtain early delivery.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
800 feet single conductor cable	Physics	Anaconda Wire & Cable Co., Chicago	1 301 60 f.o.b. delivered
12,500 feet single conductor, No. 6 seven-strand ¾" varnished cambrid, single braid 3000 volt cable	Physics	Graybar Electric Co., Chicago	1 412 50 f.o.b. delivered
Approximately 9,000 gallons 72-74 octane gasoline	Physical Plant	Ohio Oil Co., Urbana	1 629 00 f.o.b. delivered
40 cars (approximately 2,000 tons) coal, washed screenings, 0" to 1 ¼"	Physical Plant	C. V. Beck & Co., Inc., St. Louis, Mo.	4 50 a ton f.o.b. Gillespie, or a total of 9 000 00
One tank 10'6"x32' ¼" bottom and 1st and 2nd tier plates ¾" top tier plates and deck —20,917 gal. capacity	Physical Plant	Black, Sivalls & Bryson, Kansas City, Mo.	1 190 56 f.o.b. Kansas City
4,000 feet 1" kiln dried birch lumber	Physical Plant	White Pine Lumber Co., Chicago	1 248 00 f.o.b. Chicago

COMPTROLLER'S REPORT OF CONTRACTS EXECUTED FEBRUARY 11 TO MARCH 10, 1948

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
Navy Department, Office of Naval Research	Task Order No. 19—study of low power output traveling wave tubes	\$38 925 00	June 1, 1947
War Department	Study of food acceptance in animals and analysis of laboratory data relating to palatability and appetite	1 235 00	September 9, 1947

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
National Advisory Committee for Aeronautics	Study of the effect of temperature on the mechanical properties of heat-resisting laminates	10 000 00	November 18, 1947
General Motors Corp.	Study of aerodynamic principles of airfoils suitable for the blades of propellers	16 000 00 maximum	September 25, 1947
Navy Department, Bureau of Supplies and Accounts	Tuition, fees, books, and equipment for three students	112 65	March 3, 1947
Veterans Administration	Instruction, books, etc., for eligible veterans under Public Law 346 for the period February 24, 1947, to May 23, 1947, at Springfield	Cost plus 10% \$15 maximum for books, etc., February 24, 1947, to March 21, 1947; \$25 maximum for books, etc., April 28, 1947, to May 23, 1947	October 7, 1947
Veterans Administration	Instruction, books, etc., for eligible veterans under Public Law 346 from January 27, 1947, to February 7, 1948	Cost plus 10%	October 27, 1947
Quaker Oats Co.	Study of oat hybrids for three years beginning January 1, 1948	1 800 00 a year	February 23, 1948
Thomson Phosphate Co.	Study of rock phosphates as a source of phosphate to field crops	3 000 00	February 23, 1948
Headquarters Fifth Army	Instruction in postgraduate course in allergy for one military student for four quarters—fall 1947 through summer 1948	600 00	September 26, 1947
Headquarters Fifth Army	Instruction in otolaryngology for one military student for three quarters—fall 1947 through spring 1948	750 00	October 3, 1947
Veterans Administration	Instruction of eligible veterans under Public Law 16 from January 27, 1947, to February 7, 1948	Cost plus 10%	October 30, 1947
John A. Fairlie Estate	Bequest to the University of Illinois from which the income is to be used for a graduate fellowship in political science	20 000 00	January 14, 1948
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
Harnischfeger Corp.	Agreement for loaning equipment to the Department of Agricultural Engineering	\$ 1 00	January 17, 1948
Peoples Gas, Light, and Coke Co.	Purchase of gas for the Undergraduate Division on Navy Pier for one year beginning October 15, 1947	Rates specified in contract	January 27, 1948
Western Union Telegraph Co.	Establishment of agency for the Undergraduate Division at Galesburg from January 1, 1948, until terminated by either party after thirty days written notice	Compensation terms specified in contract	February 4, 1948
Urbana-Champaign Sanitary District	Construction and maintenance of pumping station	None	February 9, 1948
The Associated Press	Use of Associated Press radio news on WILL twenty-four hours a day from February 1, 1948, until terminated by two years written notice being given	30 00 weekly	December 30, 1947
City of Chicago	Acceptance of ordinance concerning concrete duct runs and manholes	None	December 22, 1947

Leases executed under general regulations of the Board:

<i>With Whom</i>	<i>Property</i>	<i>Amount to be Paid by the University</i>	<i>Date</i>
Federal Works Agency	Transfer of ownership of a one-story frame recreation building located on the Champaign-Urbana campus	None	December 22, 1947
Federal Works Agency	Transfer of ownership of two storage buildings on the University of Illinois campus	None	February 11, 1948

<i>With Whom</i>	<i>Property</i>	<i>Amount to be Paid to the University</i>	<i>Date</i>
Nelson Wax	Lease of property at 1201 West California, Urbana, from February 1, 1948, to August 31, 1948	\$50 00 a month	February 2, 1948

TREASURER'S REPORT

STATEMENT OF RECEIPTS AND DISBURSEMENTS
MARCH 1, 1947, TO FEBRUARY 29, 1948*Urbana-Champaign*

Balance March 1, 1947..... \$ 2 176 809 75

Receipts:

March, 1947.....	\$ 928 057 20
April, 1947.....	851 137 38
May, 1947.....	2 194 784 26
June, 1947.....	1 609 374 51
July, 1947.....	1 179 742 25
August, 1947.....	1 277 834 66
September, 1947.....	724 652 80
October, 1947.....	2 342 670 63
November, 1947.....	1 606 882 31
December, 1947.....	1 052 106 63
January, 1948.....	1 382 179 52
February, 1948.....	1 768 441 58

Total receipts..... \$16 917 863 73

Total balance and receipts..... \$19 094 673 48

Disbursements (as per cancelled checks returned to Comptroller):

March, 1947.....	\$1 337 501 46
April, 1947.....	672 158 03
May, 1947.....	1 407 419 93
June, 1947.....	2 545 268 51
July, 1947.....	799 068 09
August, 1947.....	1 335 349 07
September, 1947.....	1 418 481 55
October, 1947.....	1 898 548 74
November, 1947.....	1 910 577 59
December, 1947.....	1 555 650 91
January, 1948.....	927 080 21
February, 1948.....	1 427 218 92

Total disbursements..... \$17 234 323 01

Balance on hand, February 29, 1948 (on deposit at First National Bank of Chicago)..... \$ 1 860 350 47

Chicago

Balance March 1, 1947..... \$ 99 686 03

Receipts:

March, 1947.....	\$ 155 385 10
April, 1947.....	235 495 26
May, 1947.....	302 072 92
June, 1947.....	289 971 68
July, 1947.....	395 728 50
August, 1947.....	77 925 94
September, 1947.....	469 522 27
October, 1947.....	335 814 64
November, 1947.....	187 098 18
December, 1947.....	464 354 95
January, 1948.....	516 928 90
February, 1948.....	501 926 13

Total receipts..... \$ 3 932 224 47

Total balance and receipts..... \$ 4 031 910 50

Disbursements (as per cancelled checks returned to Comptroller):

March, 1947.....	\$ 231 222 47	
April, 1947.....	245 472 71	
May, 1947.....	266 706 77	
June, 1947.....	222 450 46	
July, 1947.....	313 125 83	
August, 1947.....	266 116 55	
September, 1947.....	261 142 66	
October, 1947.....	426 490 98	
November, 1947.....	418 693 74	
December, 1947.....	300 646 98	
January, 1948.....	455 206 96	
February, 1948.....	<u>430 163 29</u>	
<i>Total disbursements.....</i>		<u>\$ 3 837 439 40</u>
Balance on hand February 29, 1948 (on deposit at First National Bank of Chicago).....	\$	194 471 10
<i>Total balance, February 29, 1948.....</i>	\$	<u>2 054 821 57</u>

LLOYD MOREY, *Comptroller*
 IRVIN L. PORTER, *Treasurer*